

Ala	Trp	Val	Gly	Ser	Cys	Ile	His	Ser	Ser	Ala	Gln	Ile	Phe	Leu	Ala	
145					150					155					160	
Leu	Arg	Leu	Pro	Phe	Cys	Gly	Pro	Asn	Val	Ile	Asp	His	Tyr	Phe	Cys	
				165					170					175		
Asp	Leu	Gln	Pro	Leu	Leu	Lys	Leu	Ala	Cys	Met	Asp	Thr	Tyr	Val	Ile	
			180					185					190			
Asn	Leu	Leu	Val	Val	Ser	Asn	Ser	Gly	Ala	Ile	Cys	Met	Val	Ser	Phe	
		195					200					205				
Thr	Leu	Leu	Leu	Ile	Ser	Tyr	Ile	Phe	Ile	Leu	Tyr	Ser	Leu	Arg	Asn	
	210					215					220					
His	Ser	Val	Glu	Gly	Arg	Arg	Lys	Ala	Leu	Ser	Thr	Cys	Thr	Ser	His	
225					230					235					240	
Phe	Ile	Val	Val	Val	Ile	Phe	Phe	Gly	Pro	Cys	Ile	Phe	Ile	Tyr	Thr	
				245					250					255		
Arg	Pro	Pro	Thr	Thr	Phe	Pro	Ile	Asp	Lys	Met	Val	Ser	Val	Phe	Tyr	
			260					265					270			
Thr	Ile	Gly	Thr	Pro	Leu	Leu	Asn	Pro	Leu	Ile	Tyr	Thr	Leu	Arg	Asn	
		275					280					285				
Ala	Glu	Val	Lys	Ile	Ala	Met	Lys	Lys	Leu	Trp	Cys	Gly	Lys	Val		
	290					295					300					

<210> 1908

<211> 317

<212> PRT

<213> Mus musculus

<400> 1908

Met	Glu	Leu	Tyr	Asn	Leu	Thr	Ser	Asn	Leu	Glu	Phe	Leu	Leu	Leu	Gly	
1				5					10					15		
Leu	Ser	Glu	Asp	Pro	Glu	Leu	Gln	Pro	Val	Leu	Phe	Ala	Leu	Phe	Leu	
			20					25					30			
Leu	Ile	Tyr	Leu	Leu	Thr	Val	Leu	Gly	Asn	Val	Leu	Ile	Ile	Leu	Ala	
		35					40					45				
Ile	Ser	Cys	Asp	Ser	His	Leu	His	Ser	Pro	Met	Tyr	Phe	Phe	Leu	Tyr	
	50					55				60						
Asn	Leu	Ser	Leu	Ser	Asp	Met	Gly	Phe	Ser	Ser	Thr	Thr	Ile	Pro	Lys	
65					70				75					80		
Met	Leu	Ile	Asn	Leu	His	Ala	His	Asn	Arg	Thr	Ile	Thr	Tyr	Ala	Glu	
				85					90					95		
Cys	Leu	Thr	Gln	Val	Ser	Phe	Phe	Phe	Leu	Phe	Gly	Cys	Met	Asp	Ser	
			100					105					110			
Val	Leu	Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg	Trp	Val	Ala	Ile	Cys	His	
			115				120					125				
Pro	Leu	His	Tyr	Gln	Val	Ile	Leu	Asn	Pro	Arg	Leu	Cys	Arg	Tyr	Leu	
	130					135					140					
Val	Val	Met	Ser	Phe	Cys	Ile	Ser	Leu	Ile	Asp	Ser	Gln	Val	His	Cys	
145					150					155					160	
Phe	Met	Val	Ser	Gln	Leu	Lys	Phe	Cys	Thr	Asn	Ile	Lys	Ile	Pro	His	
				165					170					175		
Phe	Phe	Cys	Asp	Val	Pro	Glu	Leu	Leu	Lys	Leu	Ala	Cys	Ser	Asp	Thr	
			180					185					190			
Ser	Ile	Asn	Ser	Ile	Val	Ile	Phe	Leu	Val	Ser	Ile	Ile	Val	Gly	Phe	
	195						200					205				
Leu	Pro	Ala	Ser	Gly	Ile	Phe	Tyr	Ser	Tyr	Tyr	Lys	Ile	Ile	Ser	Ser	
	210					215						220				
Ile	Val	Arg	Val	Pro	Ser	Ser	Gly	Gly	Lys	Cys	Lys	Ala	Phe	Ser	Thr	
225					230					235					240	
Cys	Gly	Ser	His	Leu	Ser	Val	Val	Cys	Leu	Phe	Tyr	Gly	Thr	Gly	Leu	

<210> 1910
 <211> 309
 <212> PRT
 <213> Mus musculus

<400> 1910
 Met Glu Pro Tyr Asn Ser Thr Gly Thr Leu Glu Phe Ile Leu Leu Gly
 1 5 10 15
 Leu Ser Glu Asp Pro Glu Leu Gln Phe Ile Leu Phe Ala Leu Phe Leu
 20 25 30
 Leu Ile Tyr Leu Leu Thr Val Leu Gly Asn Val Leu Ile Ile Leu Ala
 35 40 45
 Ile Ser Cys Asp Ser His Leu His Ser Pro Met Tyr Phe Phe Leu Tyr
 50 55 60
 Asn Leu Ser Leu Ala Asp Met Gly Phe Ser Ser Thr Thr Ile Pro Lys
 65 70 75 80
 Met Leu Ile Asn Leu His Ala His Asn Arg Ser Thr Thr Tyr Ala Glu
 85 90 95
 Cys Leu Thr Gln Val Ser Phe Phe Ile Leu Phe Gly Cys Met Asp Ser
 100 105 110
 Phe Leu Leu Ala Val Met Ala Tyr Asp Arg Trp Val Ala Ile Cys His
 115 120 125
 Pro Leu His Tyr Gln Val Ile Leu Asn Pro Cys Arg Cys Arg Tyr Leu
 130 135 140
 Val Val Met Ser Phe Cys Ile Ser Leu Ile Asp Ser Gln Val His Cys
 145 150 155 160
 Phe Met Val Ser Gln Leu Thr Phe Cys Thr Asn Ile Glu Ile Pro His
 165 170 175
 Phe Phe Cys Asp Val Pro Glu Leu Val Lys Leu Ala Cys Ser Asn Thr
 180 185 190
 Thr Ile Asn Asp Ile Ala Met Phe Leu Ser Ser Ile Ile Thr Gly Phe
 195 200 205
 Leu Pro Ala Ser Gly Ile Phe Tyr Ser Tyr Tyr Lys Ile Thr Ser Ser
 210 215 220
 Ile Phe Arg Val Pro Ser Leu Leu Gly Lys Tyr Lys Ala Phe Ser Thr
 225 230 235 240
 Cys Gly Ser His Leu Ser Val Val Cys Leu Phe Tyr Gly Thr Gly Ile
 245 250 255
 Gly Val Tyr Leu Ser Ser Thr Val Ser Ser Ser Ser Lys Glu Ser Met
 260 265 270
 Val Ala Ser Val Met Tyr Thr Met Val Val Pro Met Met Asn Pro Phe
 275 280 285
 Ile Tyr Ser Leu Arg Asn Arg Asp Ile Lys Lys Ala Leu Trp Lys Ile
 290 295 300
 Val Cys Lys Ile Thr
 305

<210> 1911
 <211> 312
 <212> PRT
 <213> Mus musculus

<400> 1911
 Met Glu Pro Gly Asn Gln Thr Gly Thr Ser Tyr Phe Ile Leu Met Arg
 1 5 10 15
 Leu Asn Tyr Asp Pro Thr Val Glu Pro Leu Ile Phe Gly Phe Phe Met
 20 25 30
 Phe Thr Tyr Leu Val Thr Ile Val Gly Asn Leu Leu Ile Ile Ile Ala

Pro	Leu	Arg	Tyr	Asn	Ile	Ile	Met	Asn	Pro	Asn	Leu	Cys	Val	Leu	Leu
	130					135					140				
Ser	Leu	Asn	Ser	Leu	Phe	Ile	Ser	Val	Met	Asp	Ser	Leu	Ile	His	Thr
145					150					155					160
Leu	Met	Val	Gln	Arg	Leu	Ser	Phe	Cys	Thr	Asp	Leu	Glu	Ile	Pro	His
				165						170					175
Phe	Phe	Cys	Glu	Leu	Asp	Gln	Val	Ile	Lys	Leu	Ser	Cys	Ser	Asp	Thr
			180					185						190	
Arg	Ile	Asp	Asn	Ile	Val	Leu	Phe	Val	Ala	Thr	Cys	Val	Phe	Gly	Gly
		195					200					205			
Val	Pro	Leu	Cys	Gly	Ile	Ile	Tyr	Ser	Tyr	Tyr	His	Ile	Met	Ser	Thr
	210					215					220				
Ile	Leu	Lys	Ile	Thr	Ser	Leu	Glu	Gly	Lys	Tyr	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Gly	Thr	His	Leu	Ser	Val	Val	Ser	Leu	Phe	Tyr	Gly	Ala	Gly	Ser
				245					250					255	
Met	Val	Tyr	Ile	Ser	Ser	Ala	Ile	Ser	Ala	Ser	Pro	Gly	Lys	Ser	Ala
			260					265					270		
Val	Ala	Ser	Val	Met	Tyr	Ser	Val	Leu	Pro	Gln	Met	Met	Asn	Pro	Phe
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Met	Lys	Val	Ala	Ile	Arg	Asn	Leu
	290					295					300				
Phe	Ser	Arg	Thr	Ile	Ser	Leu	Glu								
305					310										

<210> 1913
 <211> 315
 <212> PRT
 <213> Mus musculus

<400> 1913

Met	Asn	Asn	Met	Glu	Lys	Arg	Asn	Gln	Thr	Thr	Phe	Pro	Gly	Phe	Leu
1				5					10					15	
Leu	Leu	Gly	Leu	Thr	Glu	Asp	Pro	Lys	Leu	Gln	Pro	Val	Phe	Val	Ser
			20					25					30		
Leu	Phe	Phe	Ser	Ile	Tyr	Leu	Ile	Thr	Ile	Leu	Gly	Asn	Leu	Leu	Ile
	35						40					45			
Ile	Leu	Ile	Ser	Ile	Ser	Asp	Ala	His	Leu	His	Thr	Pro	Met	Tyr	Leu
	50					55					60				
Phe	Leu	Ser	Asn	Leu	Ser	Leu	Asn	Asp	Ile	Cys	Leu	Ser	Thr	Ser	Thr
65				70					75						80
Ile	Pro	Lys	Met	Leu	Val	Asn	Ile	Lys	Glu	Asn	Ser	Gln	Ser	Ile	Thr
			85						90					95	
Tyr	Lys	Gly	Cys	Leu	Thr	Gln	Met	Ser	Phe	Val	Leu	Ile	Phe	Cys	Gly
			100					105					110		
Met	Glu	Asn	Cys	Leu	Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Ile	Ala
		115					120					125			
Ile	Cys	His	Pro	Leu	Arg	Tyr	Thr	Val	Ile	Met	Glu	Pro	Cys	Phe	Cys
	130					135					140				
Val	Leu	Leu	Ile	Leu	Leu	Ser	Leu	Leu	Ile	Ser	Val	Val	Asp	Thr	Leu
145				150						155					160
Met	His	Ser	Leu	Met	Val	Leu	Arg	Leu	Ser	Phe	Cys	Thr	His	Leu	Glu
			165						170					175	
Ile	Ser	Asn	Phe	Ile	Cys	Glu	Leu	Pro	Gln	Ile	Leu	Lys	Leu	Ala	Cys
			180					185					190		
Ser	Asp	Thr	Leu	Ile	Asp	Asn	Ile	Leu	Ile	Tyr	Leu	Ser	Ala	Cys	Ile
	195					200						205			
Phe	Thr	Gly	Ile	Pro	Ile	Ser	Gly	Ile	Val	Phe	Ser	Tyr	Val	His	Ile

210		215		220
Ile Ser Ser Ile Leu Arg Met Ser Ser Leu Glu Gly Lys His Lys Ala				
225		230		240
Phe Thr Thr Cys Gly Ser His Leu Ser Val Val Ser Leu Phe Tyr Gly				
	245		250	255
Thr Ala Phe Gly Val Tyr Ile Thr Ser Ile Ile Met Asp Ser Ser Arg				
	260		265	270
Asn Thr Ala Val Ala Ser Val Met Tyr Ser Val Val Pro Gln Met Leu				
	275		280	285
Asn Pro Phe Ile Tyr Ser Leu Arg Asn Arg Asp Met Lys Glu Ala Met				
	290		295	300
Gly Lys Phe Phe Ser Arg Met Ala Ser Phe Leu				
305		310		315

<210> 1914
 <211> 315
 <212> PRT
 <213> Mus musculus

<400> 1914

Met Asn Asn Met Glu Lys Arg Asn Gln Thr Ala Phe Pro Gly Phe Leu	
1 5 10 15	
Leu Leu Gly Leu Thr Glu Asp Pro Lys Leu Gln Pro Val Leu Val Ser	
20 25 30	
Leu Phe Phe Ser Ile Tyr Leu Val Thr Ile Phe Gly Asn Met Leu Ile	
35 40 45	
Val Leu Ile Ser Ile Ser Asp Ser His Leu His Thr Pro Met Tyr Leu	
50 55 60	
Leu Leu Ser Asn Leu Ser Leu Asn Asp Ile Cys Leu Ser Thr Ser Thr	
65 70 75 80	
Ile Pro Lys Met Leu Val Asn Ile Gln Glu Asn Ile Gln Ser Ile Thr	
85 90 95	
Tyr Lys Gly Cys Leu Thr Gln Met Asn Phe Val Leu Ile Phe Gly Gly	
100 105 110	
Met Glu Asn Cys Leu Leu Ala Val Met Ala Tyr Asp Arg Tyr Val Ala	
115 120 125	
Ile Cys His Pro Leu Arg Tyr Thr Val Ile Met Glu Pro Cys Phe Cys	
130 135 140	
Ile Leu Leu Ile Leu Leu Ser Leu Leu Ile Ser Ile Val Asp Ser Leu	
145 150 155 160	
Met His Ser Leu Met Val Leu Arg Leu Pro Phe Cys Thr His Leu Glu	
165 170 175	
Ile Pro Ser Phe Phe Cys Glu Leu Pro Lys Met Leu Lys Leu Ala Cys	
180 185 190	
Ser Asp Thr Leu Ile Asp Asn Ile Leu Ile Tyr Ile Ser Ser Cys Ile	
195 200 205	
Phe Ala Gly Ile Pro Leu Ser Gly Ile Val Phe Ser Tyr Ile His Ile	
210 215 220	
Met Ser Ser Ile Leu Arg Met Ser Ser Ser Glu Gly Lys His Lys Ala	
225 230 235 240	
Phe Thr Thr Cys Gly Ser His Leu Ser Val Val Phe Leu Phe Tyr Gly	
245 250 255	
Thr Gly Phe Gly Val Tyr Ile Thr Ser Ile Ile Met Asp Ser Ser Arg	
260 265 270	
Lys Thr Ala Val Ala Ser Val Met Tyr Ser Val Val Pro Gln Met Leu	
275 280 285	
Asn Pro Phe Ile Tyr Ser Leu Arg Asn Arg Asp Met Lys Asp Thr Met	
290 295 300	

Arg Lys Phe Phe Ser Arg Ile Ala Ser Val Leu
 305 310 315

<210> 1915
 <211> 312
 <212> PRT
 <213> Mus musculus

<400> 1915
 Met Glu Val Asp Ser Asn Ser Ser Ser Gly Ser Phe Ile Leu Met Gly
 1 5 10 15
 Val Ser Asp His Pro His Leu Glu Ile Phe Phe Ala Val Ile Leu
 20 25 30
 Ala Ser Tyr Leu Leu Thr Leu Val Gly Asn Leu Thr Ile Ile Leu Leu
 35 40 45
 Ser Arg Leu Asp Ala Arg Leu His Thr Pro Met Tyr Phe Phe Leu Ser
 50 55 60
 Asn Leu Ser Ser Leu Asp Leu Ala Phe Thr Thr Ser Ser Val Pro Gln
 65 70 75 80
 Met Leu Lys Asn Leu Trp Gly Pro Asp Lys Thr Ile Ser Tyr Gly Gly
 85 90 95
 Cys Val Thr Gln Leu Tyr Val Phe Leu Trp Leu Gly Ala Thr Glu Cys
 100 105 110
 Ile Leu Leu Val Val Met Ala Phe Asp Arg Tyr Val Ala Val Cys Arg
 115 120 125
 Pro Leu His Tyr Met Thr Val Met Asn Pro Arg Leu Cys Trp Gly Leu
 130 135 140
 Ala Ala Ile Ser Trp Leu Gly Gly Leu Gly Asn Ser Val Ile Gln Ser
 145 150 155 160
 Thr Phe Thr Leu Gln Leu Pro Phe Cys Gly His Arg Lys Val Asp Asn
 165 170 175
 Phe Leu Cys Glu Val Pro Ala Met Ile Lys Leu Ala Cys Gly Asp Thr
 180 185 190
 Ser Leu Asn Glu Ala Val Leu Asn Gly Val Cys Thr Phe Phe Thr Val
 195 200 205
 Val Pro Val Ser Val Ile Leu Val Ser Tyr Cys Phe Ile Ala Gln Ala
 210 215 220
 Val Met Lys Ile Arg Ser Val Glu Gly Arg Arg Lys Ala Phe Asn Thr
 225 230 235 240
 Cys Val Ser His Leu Val Val Val Phe Leu Phe Tyr Gly Ser Ala Ile
 245 250 255
 Tyr Gly Tyr Leu Leu Pro Ala Lys Ser Ser Asn Gln Ser Gln Gly Lys
 260 265 270
 Phe Ile Ser Leu Phe Tyr Ser Val Val Thr Pro Met Val Asn Pro Leu
 275 280 285
 Ile Tyr Thr Leu Arg Asn Lys Glu Val Lys Gly Ala Leu Gly Arg Leu
 290 295 300
 Leu Gly Lys Gly Arg Gly Ala Ser
 305 310

<210> 1916
 <211> 307
 <212> PRT
 <213> Mus musculus

<400> 1916
 Met Ala Pro Val Asn Gln Ser Ala Ile Thr Met Phe Ile Leu Gln Asn

1				5					10					15			
Phe	Val	Asp	Asp	Pro	Trp	Ile	Gln	Asp	Val	Leu	Phe	Cys	Leu	Leu	Phe		
			20					25					30				
Ala	Leu	Phe	Met	Ala	Ala	Ile	Ala	Gly	Asn	Gly	Leu	Ile	Ile	Ala	Thr		
		35					40					45					
Ile	His	Ser	Ser	Pro	Asn	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Val		
	50					55					60						
Asn	Leu	Ala	Leu	Met	Asp	Met	Ile	Cys	Thr	Val	Thr	Val	Leu	Pro	Lys		
65					70					75					80		
Val	Leu	Gln	Ser	Leu	Val	Ala	Glu	Asn	Ser	Ile	Ser	Tyr	Gly	Gly	Cys		
			85					90					95				
Leu	Ile	Gln	Met	Phe	Val	Phe	Ser	Trp	Val	Leu	Gly	Ser	Glu	Leu	Leu		
			100					105					110				
Leu	Phe	Ser	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Leu	Ala	Ile	Cys	Arg	Pro		
		115					120					125					
Leu	His	Tyr	Gly	Thr	Leu	Met	Ser	Gly	Arg	Val	Cys	Val	Ala	Leu	Ala		
	130					135					140						
Thr	Phe	Val	Trp	Phe	Ile	Gly	Ala	Leu	Asn	Ser	Leu	Val	Leu	Thr	Cys		
145					150					155					160		
Leu	Val	Leu	Pro	Leu	Ser	Phe	Cys	Gly	Ser	Asn	Leu	Ile	Ala	His	Phe		
			165					170						175			
Phe	Cys	Glu	Ile	Pro	Ser	Val	Leu	Ile	Leu	Ser	Cys	Ser	Pro	Thr	Phe		
		180						185					190				
Ile	Asn	Asn	Val	Met	Thr	Val	Ile	Ala	Asp	Met	Phe	Leu	Thr	Gly	Leu		
		195					200					205					
Asn	Phe	Leu	Leu	Thr	Met	Thr	Ser	Tyr	Val	Phe	Ile	Ile	Ser	Ser	Ile		
	210					215					220						
Leu	Arg	Ile	Arg	Ser	Ala	Glu	Gly	Lys	Lys	Arg	Ala	Phe	Ser	Thr	Cys		
225					230					235					240		
Ser	Ala	His	Leu	Val	Val	Val	Thr	Leu	Tyr	Tyr	Ser	Thr	Ala	Leu	Tyr		
			245						250					255			
Thr	Tyr	Val	Arg	Pro	Ala	Leu	Gly	Thr	Ala	Gly	Leu	Leu	Asp	Lys	Val		
		260					265						270				
Ile	Ala	Ile	Pro	Tyr	Thr	Thr	Val	Thr	Pro	Ser	Leu	Asn	Pro	Leu	Ile		
		275					280					285					
Tyr	Thr	Leu	Arg	Asn	Lys	Glu	Phe	Lys	Thr	Ser	Phe	Lys	Lys	Leu	Leu		
	290					295					300						
Phe	Pro	Arg															
305																	

<210> 1917

<211> 307

<212> PRT

<213> Mus musculus

<400> 1917

Met	Ala	Leu	Val	Asn	Gln	Ser	Val	Val	Thr	Met	Phe	Ile	Leu	Gln	Arg		
1				5					10					15			
Phe	Val	Asp	Asp	Pro	Trp	Ile	Gln	Asp	Val	Leu	Phe	Cys	Leu	Phe	Phe		
		20						25					30				
Ala	Leu	Phe	Met	Ala	Ala	Ile	Ala	Gly	Asn	Gly	Leu	Ile	Ile	Ala	Thr		
		35					40					45					
Ile	His	Ser	Ser	Pro	Asn	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Val		
	50					55					60						
Asn	Leu	Ser	Leu	Met	Asp	Val	Ile	Cys	Thr	Val	Thr	Val	Leu	Pro	Lys		
65					70					75					80		
Val	Leu	Gln	Ser	Leu	Val	Ala	Glu	Asn	Ser	Ile	Ser	Tyr	Gly	Gly	Cys		
			85					90					95				

Leu	Thr	Gln	Met	Phe	Val	Phe	Ser	Trp	Val	Leu	Gly	Ser	Glu	Leu	Leu	
			100					105					110			
Leu	Phe	Ser	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Leu	Ala	Ile	Cys	Arg	Pro	
		115					120					125				
Leu	His	Tyr	Gly	Thr	Leu	Met	Ser	Gly	Lys	Val	Cys	Val	Ala	Leu	Ala	
	130					135					140					
Thr	Phe	Val	Trp	Phe	Thr	Gly	Ala	Leu	Asn	Ser	Leu	Val	Leu	Thr	Cys	
145					150					155					160	
Leu	Met	Leu	Pro	Leu	Ser	Phe	Cys	Gly	Pro	Asn	Leu	Ile	Thr	His	Phe	
			165						170					175		
Phe	Cys	Glu	Ile	Pro	Ser	Val	Leu	Ile	Leu	Ser	Cys	Ser	Pro	Thr	Phe	
		180						185					190			
Ile	Asn	Asp	Ile	Met	Thr	Val	Ile	Thr	Asp	Met	Phe	Leu	Thr	Gly	Leu	
	195						200					205				
Asn	Phe	Leu	Leu	Thr	Met	Thr	Ser	Tyr	Val	Phe	Ile	Ile	Ala	Ser	Ile	
	210				215						220					
Leu	Arg	Ile	Arg	Ser	Ala	Glu	Gly	Lys	Lys	Arg	Ala	Phe	Ser	Thr	Cys	
225				230						235					240	
Ser	Ala	His	Leu	Val	Val	Val	Thr	Leu	Tyr	Tyr	Ser	Thr	Val	Leu	Tyr	
			245						250					255		
Thr	Tyr	Val	Arg	Pro	Ala	Leu	Gly	Thr	Ala	Gly	Phe	Leu	Asp	Lys	Leu	
		260					265						270			
Ile	Ala	Val	Leu	Tyr	Thr	Thr	Val	Thr	Pro	Ser	Leu	Asn	Pro	Leu	Ile	
	275					280						285				
Tyr	Thr	Leu	Arg	Asn	Lys	Glu	Phe	Lys	Ile	Ser	Phe	Lys	Lys	Leu	Leu	
	290					295					300					
Phe	Pro	His														
305																

<210> 1918

<211> 317

<212> PRT

<213> Mus musculus

<400> 1918

Met	Ser	Ser	Lys	Tyr	Leu	Met	Ala	Trp	Ser	Thr	Gly	Gln	Asn	Leu	Ser	
1			5						10					15		
Thr	Pro	Gly	Pro	Phe	Ile	Leu	Leu	Gly	Phe	Pro	Gly	Pro	Arg	Ser	Met	
			20					25					30			
Arg	Ile	Gly	Leu	Phe	Leu	Leu	Phe	Leu	Val	Met	Tyr	Leu	Leu	Thr	Val	
		35					40					45				
Ala	Gly	Asn	Leu	Ala	Ile	Ile	Ser	Leu	Val	Gly	Ala	His	Arg	Cys	Leu	
	50				55					60						
Gln	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Cys	Asn	Leu	Ser	Phe	Leu	Glu	Ile	
65				70					75					80		
Trp	Phe	Thr	Thr	Ala	Cys	Val	Pro	Lys	Thr	Leu	Ala	Thr	Phe	Ala	Pro	
			85						90					95		
Arg	Gly	Gly	Ala	Ile	Ser	Leu	Ala	Gly	Cys	Ala	Thr	Gln	Met	Tyr	Phe	
			100					105					110			
Val	Phe	Ser	Leu	Gly	Cys	Thr	Glu	Tyr	Phe	Leu	Leu	Ala	Val	Met	Ala	
		115					120					125				
Tyr	Asp	Arg	Tyr	Leu	Ala	Ile	Cys	Leu	Pro	Leu	Arg	Tyr	Gly	Gly	Ile	
	130				135						140					
Met	Thr	Pro	Gly	Leu	Ala	Thr	Arg	Leu	Ala	Leu	Gly	Ser	Trp	Leu	Cys	
145				150						155					160	
Gly	Phe	Ser	Ala	Ile	Ile	Val	Pro	Ala	Ala	Leu	Ile	Ala	Arg	Leu	Ser	
			165						170					175		
Phe	Cys	Gly	Ser	Arg	Val	Ile	Asn	His	Phe	Phe	Cys	Asp	Ile	Ser	Pro	

			180					185					190				
Trp	Ile	Val	Leu	Ser	Cys	Thr	Asp	Thr	Gln	Val	Val	Glu	Leu	Val	Ser		
		195					200					205					
Phe	Gly	Ile	Ala	Phe	Cys	Val	Ile	Leu	Gly	Ser	Cys	Gly	Ile	Thr	Leu		
	210					215					220						
Val	Ser	Tyr	Ala	Tyr	Ile	Ile	Thr	Thr	Ile	Ile	Lys	Ile	Pro	Ser	Ala		
225					230					235					240		
Gln	Gly	Arg	His	Arg	Ala	Phe	Ser	Thr	Cys	Ser	Ser	His	Leu	Thr	Val		
			245						250					255			
Val	Leu	Ile	Trp	Tyr	Gly	Ser	Thr	Ile	Phe	Leu	His	Val	Arg	Thr	Ser		
		260					265					270					
Val	Glu	Ser	Ser	Leu	Asp	Leu	Thr	Lys	Ala	Val	Thr	Val	Leu	Asn	Thr		
	275						280					285					
Ile	Val	Thr	Pro	Val	Leu	Asn	Pro	Phe	Ile	Tyr	Thr	Leu	Arg	Asn	Lys		
	290					295					300						
Asp	Val	Lys	Glu	Ala	Leu	Arg	Arg	Thr	Met	Lys	Gly	Lys					
305					310					315							

<210> 1919

<211> 313

<212> PRT

<213> Mus musculus

<400> 1919

Met	Ser	Lys	Gly	Arg	Glu	Asn	Glu	Thr	Gly	Val	Ser	Glu	Phe	Leu	Leu		
1				5					10					15			
Leu	Gly	Ile	Thr	Asn	Asp	Pro	Gln	Gln	Gln	Gln	Ile	Leu	Phe	Trp	Ala		
			20				25						30				
Phe	Leu	Cys	Met	Tyr	Leu	Val	Thr	Val	Ala	Gly	Asn	Thr	Leu	Ile	Phe		
		35					40					45					
Leu	Ala	Ile	Ile	Ser	Asp	Pro	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe		
	50					55					60						
Leu	Ala	Asn	Leu	Ser	Phe	Val	Asp	Val	Cys	Phe	Thr	Thr	Asn	Leu	Ile		
65					70					75					80		
Pro	Arg	Leu	Leu	Ala	Gly	His	Val	Ala	Gly	Thr	Arg	Thr	Ile	Ser	Tyr		
				85					90					95			
Val	His	Cys	Leu	Thr	Gln	Thr	Tyr	Phe	Leu	Ile	Ser	Phe	Ala	Asn	Val		
			100					105					110				
Asp	Thr	Phe	Leu	Leu	Ala	Ala	Met	Ala	Leu	Asp	Arg	Phe	Val	Ala	Ile		
		115					120					125					
Cys	Tyr	Pro	Leu	Gln	Tyr	His	Thr	Ile	Ile	Thr	Pro	Gln	Leu	Cys	Val		
	130					135					140						
Gly	Leu	Ala	Ala	Val	Val	Trp	Met	Cys	Ser	Ala	Leu	Ile	Ser	Leu	Met		
145					150					155					160		
His	Thr	Leu	Leu	Met	Ser	Arg	Leu	Ser	Phe	Cys	Ser	Ser	Ile	Pro	Glu		
				165					170					175			
Ile	Ser	His	Phe	Tyr	Cys	Asp	Ala	Tyr	Leu	Leu	Met	Lys	Leu	Ala	Cys		
			180					185					190				
Ser	Asp	Thr	Arg	Val	Asn	Gln	Leu	Val	Phe	Leu	Gly	Ala	Val	Val	Leu		
		195				200						205					
Phe	Val	Ala	Pro	Cys	Ile	Leu	Ile	Val	Val	Ser	Tyr	Val	Arg	Ile	Thr		
	210					215					220						
Met	Val	Val	Leu	Gln	Ile	Pro	Ser	Ala	Lys	Gly	Arg	His	Lys	Thr	Phe		
225					230					235					240		
Ser	Thr	Cys	Ser	Ser	His	Leu	Ser	Val	Val	Thr	Leu	Phe	Tyr	Gly	Thr		
				245					250					255			
Val	Leu	Gly	Ile	Tyr	Ile	Arg	Pro	Pro	Asp	Ser	Phe	Ser	Thr	Gln	Asp		
			260					265						270			

Thr	Val	Ala	Thr	Ile	Met	Tyr	Thr	Val	Val	Thr	Pro	Met	Leu	Asn	Pro
		275						280				285			
Phe	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Met	Lys	Glu	Ser	Val	Thr	Arg
	290					295					300				
Leu	Leu	Asn	Arg	Gly	Ser	Lys	Ser	Ser							
305					310										

<210> 1920
 <211> 313
 <212> PRT
 <213> Mus musculus

<400> 1920

Met	Ser	Lys	Gly	Arg	Glu	Asn	Glu	Thr	Gly	Val	Ser	Glu	Phe	Leu	Leu
1				5					10					15	
Leu	Gly	Ile	Thr	Asn	Asp	Pro	Gln	Gln	Gln	Gln	Ile	Leu	Phe	Trp	Ala
			20					25					30		
Phe	Leu	Cys	Met	Tyr	Leu	Val	Thr	Val	Ala	Gly	Asn	Thr	Leu	Ile	Phe
	35						40					45			
Leu	Ala	Ile	Ile	Ser	Asp	Pro	Cys	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe
	50					55					60				
Leu	Ala	Asn	Leu	Ser	Phe	Val	Asp	Val	Cys	Phe	Thr	Thr	Asn	Leu	Ile
65					70					75					80
Pro	Arg	Leu	Leu	Ala	Gly	His	Val	Ala	Gly	Thr	Arg	Thr	Ile	Ser	Tyr
				85					90					95	
Ala	Gln	Cys	Leu	Thr	Gln	Met	Phe	Phe	Met	Ile	Ser	Phe	Ala	His	Val
			100					105					110		
Asp	Thr	Leu	Leu	Leu	Ala	Ala	Met	Ala	Leu	Asp	Arg	Phe	Val	Ala	Ile
		115					120					125			
Cys	Tyr	Pro	Leu	Gln	Tyr	His	Thr	Ile	Ile	Thr	Pro	Gln	Leu	Cys	Val
	130					135					140				
Gly	Leu	Ala	Ala	Val	Val	Trp	Met	Cys	Ser	Ala	Leu	Ile	Ser	Leu	Met
145					150					155					160
His	Thr	Leu	Leu	Met	Ser	Arg	Leu	Arg	Phe	Cys	Ser	Ser	Ile	Pro	Glu
				165					170					175	
Ile	Ser	His	Phe	Tyr	Cys	Asp	Ala	Tyr	Leu	Leu	Met	Lys	Leu	Ala	Cys
			180					185					190		
Ser	Asp	Thr	Arg	Val	Asn	Gln	Leu	Ala	Ser	Leu	Gly	Thr	Leu	Phe	Leu
		195				200						205			
Phe	Val	Ala	Pro	Cys	Ile	Leu	Ile	Val	Val	Ser	Tyr	Val	Arg	Ile	Thr
	210					215					220				
Met	Ala	Val	Phe	Gln	Ile	Pro	Ser	Ala	Lys	Gly	Arg	His	Lys	Ala	Phe
225					230					235					240
Ser	Thr	Cys	Ser	Ser	His	Leu	Ser	Val	Val	Ile	Leu	Phe	Tyr	Gly	Thr
			245						250					255	
Ile	Leu	Gly	Ile	Tyr	Ile	Arg	Pro	Pro	Gly	Ser	Phe	Ser	Ile	Gln	Val
		260						265					270		
Ser	Val	Ala	Thr	Ile	Met	Tyr	Thr	Val	Phe	Thr	Pro	Met	Leu	Asn	Pro
		275					280					285			
Phe	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Met	Lys	Glu	Thr	Val	Thr	Arg
	290					295					300				
Ile	Leu	Asn	Arg	Asp	Ser	Lys	Pro	Ser							
305					310										

<210> 1921
 <211> 305
 <212> PRT

<213> Mus musculus

<400> 1921

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Met Asn Cys Ser Gln Ala Pro Thr Leu Ile Leu Leu Gly Leu Ser Ser
 1          5          10          15
Asp Ala Glu Lys Trp Gln Pro Leu Phe Ser Ile Phe Leu Val Ile Tyr
          20          25          30
Leu Leu Gly Leu Leu Gly Asn Leu Leu Leu Leu Leu Ala Ile Gly Thr
          35          40          45
Asp Val His Leu His Thr Pro Met Tyr Phe Phe Leu Ser Gln Leu Ser
          50          55          60
Phe Val Asp Leu Cys Phe Ile Thr Thr Thr Ala Pro Lys Met Leu Glu
65          70          75          80
Ala Leu Trp Thr Gly Asp Gly Ser Ile Ser Phe Ser Gly Cys Leu Thr
          85          90          95
Gln Leu Tyr Phe Phe Ala Val Phe Ala Asp Met Asp Asn Leu Leu Leu
          100          105          110
Ala Val Met Ala Ile Asp Arg Tyr Ala Ala Ile Cys His Pro Leu Arg
          115          120          125
Tyr Ser Ala Leu Met Thr Pro Phe Arg Cys Gly Val Leu Val Ser Gly
          130          135          140
Ser Trp Gly Val Thr Asn Cys Val Ser Leu Thr His Thr Leu Leu Leu
145          150          155          160
Ser Lys Leu Tyr Phe His Thr Asn Gln Glu Ile Pro His Phe Phe Cys
          165          170          175
Glu Phe Gly Pro Leu Leu Leu Leu Ser Cys Ser Asp Thr His Leu Asn
          180          185          190
Lys Ile Leu Val Ile Ile Leu Val Gly Ile Leu Gly Ile Ser Ala Val
          195          200          205
Leu Cys Ile Val Ser Ser Tyr Gly Cys Ile Phe Tyr Ala Val Ala Lys
          210          215          220
Val Pro Ser Ala Gln Gly Lys Arg Lys Ala Leu Ser Thr Cys Ser Ser
225          230          235          240
His Leu Ser Val Val Leu Leu Phe Tyr Ser Thr Val Phe Ala Thr Tyr
          245          250          255
Leu Lys Pro Pro Ser Ser Ser Arg Ser Ser Glu Glu Val Val Ala Ala
          260          265          270
Val Met Tyr Ser Leu Val Thr Pro Thr Leu Asn Pro Phe Ile Tyr Ser
          275          280          285
Leu Arg Asn Lys Asp Val Lys Ser Ser Leu Arg Arg Ile Leu Asn Met
          290          295          300
Glu
305
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<210> 1922

<211> 313

<212> PRT

<213> Mus musculus

<400> 1922

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Met Gly Ile Leu Ser Thr Gly Asn Gln Thr Val Thr Glu Phe Val Leu
 1          5          10          15
Leu Gly Phe His Glu Val Pro Gly Leu His Leu Leu Phe Phe Ser Val
          20          25          30
Phe Thr Ile Leu Tyr Ala Ser Ile Thr Gly Asn Met Leu Ile Ala
          35          40          45
Val Val Val Val Ser Ser Gln Arg Leu His Thr Pro Met Tyr Phe Phe
          50          55          60
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Leu	Val	Asn	Leu	Ser	Phe	Ile	Glu	Ile	Val	Tyr	Thr	Ser	Thr	Val	Val
65					70					75					80
Pro	Lys	Met	Leu	Glu	Gly	Phe	Leu	Gln	Glu	Ala	Thr	Ile	Ser	Val	Ala
			85						90					95	
Gly	Cys	Leu	Leu	Gln	Phe	Phe	Val	Phe	Gly	Ser	Leu	Ala	Thr	Asp	Glu
		100						105					110		
Cys	Phe	Leu	Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Leu	Ala	Ile	Cys
		115					120					125			
His	Pro	Leu	Arg	Tyr	Pro	His	Leu	Met	Gly	Pro	Gln	Trp	Cys	Leu	Gly
	130					135					140				
Leu	Val	Leu	Thr	Val	Trp	Leu	Ser	Gly	Phe	Met	Val	Asp	Gly	Leu	Val
145					150					155					160
Val	Ala	Leu	Met	Ala	Gln	Leu	Arg	Phe	Cys	Gly	Pro	Asn	Leu	Val	Asp
				165					170					175	
His	Phe	Tyr	Cys	Asp	Phe	Ser	Pro	Leu	Met	Val	Leu	Ala	Cys	Ser	Asp
			180					185					190		
Thr	Gln	Val	Ala	Gln	Val	Thr	Thr	Phe	Val	Leu	Ser	Val	Val	Phe	Leu
		195					200					205			
Thr	Val	Pro	Phe	Gly	Leu	Val	Leu	Ile	Ser	Tyr	Ala	Gln	Ile	Val	Val
	210					215					220				
Thr	Val	Leu	Arg	Val	Pro	Ser	Gly	Thr	Arg	Arg	Thr	Lys	Ala	Phe	Ser
225					230					235					240
Thr	Cys	Ser	Ser	His	Leu	Ala	Val	Val	Ser	Thr	Phe	Tyr	Gly	Thr	Leu
				245					250					255	
Met	Val	Leu	Tyr	Ile	Val	Pro	Ser	Ala	Val	His	Ser	Gln	Leu	Leu	Ser
			260					265					270		
Lys	Val	Ile	Ala	Leu	Leu	Tyr	Thr	Val	Val	Thr	Pro	Ile	Phe	Asn	Pro
		275					280					285			
Val	Ile	Tyr	Thr	Leu	Arg	Asn	Gln	Glu	Val	Gln	Gln	Ala	Leu	Arg	Arg
	290					295					300				
Leu	Leu	Tyr	Cys	Lys	Pro	Thr	Glu	Met							
305					310										

<210> 1923

<211> 312

<212> PRT

<213> Mus musculus

<400> 1923

Met	Gly	Thr	Asn	Ser	Ser	Leu	Val	Thr	Glu	Phe	Val	Leu	Val	Gly	Phe
1				5					10					15	
Ser	Arg	Leu	Val	His	Leu	Gln	Gly	Ile	Leu	Phe	Ser	Leu	Phe	Leu	Thr
			20					25					30		
Val	Tyr	Leu	Leu	Thr	Val	Ala	Gly	Asn	Leu	Leu	Ile	Val	Ala	Leu	Val
		35					40					45			
Ser	Thr	Asp	Ala	Ala	Leu	Gln	Ser	Pro	Met	Tyr	Phe	Phe	Leu	Arg	Ile
	50					55					60				
Leu	Ser	Ala	Leu	Glu	Ile	Cys	Tyr	Thr	Ser	Val	Thr	Val	Pro	Leu	Leu
65					70					75					80
Leu	His	His	Leu	Leu	Thr	Gly	Arg	Arg	His	Ile	Ser	Arg	Ser	Gly	Cys
				85					90					95	
Ala	Leu	Gln	Met	Phe	Phe	Phe	Leu	Phe	Phe	Gly	Ala	Thr	Glu	Cys	Cys
			100					105					110		
Leu	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Ala	Ala	Ile	Cys	Glu	Pro
		115					120					125			
Leu	Arg	Tyr	Gln	Val	Leu	Leu	Ser	Arg	Arg	Val	Cys	Val	Gln	Leu	Ala
	130					135					140				
Gly	Ala	Ala	Trp	Ser	Cys	Gly	Ala	Leu	Val	Gly	Leu	Gly	His	Thr	Ser

145					150					155				160	
Phe	Ile	Phe	Ser	Leu	Pro	Phe	Cys	Gly	Pro	Asn	Ala	Val	Pro	His	Phe
				165					170					175	
Phe	Cys	Glu	Ile	Gln	Pro	Val	Leu	Gln	Leu	Val	Cys	Gly	Asp	Thr	Ser
			180					185					190		
Leu	Asn	Glu	Leu	Gln	Ile	Ile	Leu	Ala	Ala	Ala	Leu	Ile	Ile	Leu	Cys
		195					200					205			
Pro	Phe	Gly	Leu	Ile	Leu	Ser	Ser	Tyr	Gly	Arg	Ile	Leu	Val	Thr	Ile
	210					215					220				
Phe	Arg	Ile	Pro	Ser	Ala	Ala	Gly	Arg	Arg	Lys	Ala	Phe	Ser	Thr	Cys
225					230					235					240
Ser	Ser	His	Leu	Val	Val	Val	Ser	Leu	Phe	Tyr	Gly	Thr	Ala	Ile	Phe
			245						250					255	
Ile	Tyr	Ile	Arg	Pro	Lys	Ala	Ser	Tyr	Asp	Pro	Thr	Thr	Asp	Pro	Leu
		260						265					270		
Leu	Ser	Leu	Phe	Tyr	Ala	Val	Ile	Thr	Pro	Ile	Leu	Asn	Pro	Val	Ile
		275					280					285			
Tyr	Ser	Leu	Arg	Asn	Ala	Asp	Val	Lys	Ala	Ala	Leu	Lys	Arg	Ser	Ile
	290					295					300				
Gln	Lys	Met	Gly	Pro	Ser	Glu	Ile								
305					310										

<210> 1924

<211> 310

<212> PRT

<213> Mus musculus

<400> 1924

Met	Met	Asn	Cys	Ser	Gln	Ala	Pro	Gly	Phe	Ile	Leu	Leu	Gly	Leu	Ser
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Ser	Asn	Ser	Glu	Lys	Trp	Gln	Pro	Leu	Phe	Ser	Ile	Phe	Leu	Val	Leu
			20					25					30		
Tyr	Leu	Leu	Gly	Leu	Leu	Gly	Asn	Leu	Leu	Leu	Leu	Leu	Ala	Ile	Gly
		35					40					45			
Thr	Asp	Val	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser	Gln	Leu
	50					55					60				
Ser	Leu	Val	Asp	Leu	Cys	Phe	Ile	Thr	Thr	Thr	Ala	Pro	Lys	Met	Leu
65					70					75					80
Glu	Thr	Leu	Trp	Thr	Gly	Asp	Gly	Ser	Ile	Ser	Phe	Ser	Gly	Cys	Leu
			85						90					95	
Thr	Gln	Leu	Tyr	Phe	Phe	Ala	Val	Phe	Ala	Asp	Met	Asp	Asn	Leu	Leu
		100						105					110		
Leu	Ala	Val	Met	Ala	Ile	Asp	Arg	Tyr	Ala	Ala	Ile	Cys	His	Pro	Leu
		115					120					125			
Leu	Tyr	Pro	Leu	Leu	Met	Thr	Pro	Cys	Arg	Cys	Arg	Val	Leu	Val	Ser
	130					135					140				
Gly	Ser	Trp	Gly	Val	Ala	His	Cys	Val	Ser	Leu	Thr	His	Ile	Leu	Leu
145					150					155					160
Leu	Ser	Gln	Leu	Tyr	Phe	His	Thr	Asn	Gln	Glu	Ile	Pro	His	Phe	Phe
			165						170					175	
Cys	Asp	Phe	Gly	Pro	Leu	Leu	Leu	Leu	Ser	Cys	Ser	Asp	Ala	His	Leu
			180					185					190		
Asn	Glu	Ser	Leu	Met	Met	Ala	Leu	Ala	Gly	Val	Leu	Gly	Ile	Ser	Ala
		195					200					205			
Leu	Leu	Cys	Ile	Val	Ser	Ser	Tyr	Gly	Cys	Ile	Phe	Tyr	Ala	Val	Ala
	210					215					220				
Lys	Val	Pro	Ser	Ala	Gln	Gly	Lys	Arg	Lys	Ala	Leu	Ala	Thr	Cys	Ser
225					230					235					240

<210> 1926
 <211> 309
 <212> PRT
 <213> Mus musculus

<400> 1926
 Met Asn Cys Ser Gln Ala Pro Thr Phe Ile Leu Leu Gly Leu Ser Ser
 1 5 10 15
 Asp Ala Glu Lys Trp Gln Pro Leu Phe Ser Ile Phe Leu Val Leu Tyr
 20 25 30
 Leu Leu Gly Leu Leu Gly Asn Leu Leu Leu Leu Ala Ile Gly Thr
 35 40 45
 Asp Val His Leu His Thr Pro Met Tyr Phe Phe Leu Ser Gln Leu Ser
 50 55 60
 Leu Val Asp Leu Cys Phe Ile Thr Thr Thr Ala Pro Lys Met Leu Glu
 65 70 75 80
 Ala Leu Trp Thr Gly Asp Gly Ser Ile Ser Phe Ser Gly Cys Leu Thr
 85 90 95
 Gln Leu Tyr Phe Phe Ala Val Phe Ala Asp Met Asp Asn Leu Leu Leu
 100 105 110
 Ala Val Met Ala Ile Asp Arg Tyr Ala Ala Ile Cys His Pro Leu Leu
 115 120 125
 Tyr Pro Leu Leu Met Thr Pro Cys Arg Cys Arg Val Leu Val Ser Gly
 130 135 140
 Ser Trp Gly Val Ala His Cys Val Ser Leu Thr His Thr Leu Leu Phe
 145 150 155 160
 Ser Lys Leu Tyr Phe His Asn Asn Gln Glu Ile Pro His Phe Phe Cys
 165 170 175
 Asp Phe Gly Pro Leu Leu Leu Leu Ser Cys Ser Asp Thr Tyr Leu Asn
 180 185 190
 Glu Ser Leu Met Met Ala Leu Ser Gly Leu Leu Ala Ile Ser Ala Phe
 195 200 205
 Leu Cys Ile Val Ser Ser Tyr Gly Cys Ile Phe Tyr Ala Val Ala Lys
 210 215 220
 Val Pro Ser Ala Gln Gly Lys Arg Lys Ala Leu Ala Thr Cys Ser Ser
 225 230 235 240
 His Leu Ser Val Val Leu Leu Phe Tyr Ser Thr Val Phe Ala Thr Tyr
 245 250 255
 Leu Lys Pro Pro Ser Ser Ser His Ser Ser Gln Glu Val Val Ala Ala
 260 265 270
 Val Met Tyr Thr Leu Val Thr Pro Thr Leu Asn Pro Phe Ile Tyr Ser
 275 280 285
 Leu Arg Asn Lys Asp Val Lys Ser Ser Leu Arg Arg Ile Leu Asn Met
 290 295 300
 Val Lys Ser Gln Asp
 305

<210> 1927
 <211> 310
 <212> PRT
 <213> Mus musculus

<400> 1927
 Met Ser Gly Val Ser Glu Asn Gln Thr Thr Trp Leu Thr Leu Val Gly
 1 5 10 15
 Phe Gly Lys Leu Lys His Leu Gly Phe Leu Pro Phe Ala Leu Phe Leu
 20 25 30

Ala	Ile	Tyr	Val	Ala	Thr	Val	Gly	Gly	Asn	Ile	Leu	Ile	Val	Leu	Ala
	35						40				45				
Val	Ala	Ser	Ser	Arg	Thr	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Cys
	50					55					60				
His	Phe	Ser	Leu	Leu	Glu	Ile	Gly	Tyr	Thr	Ser	Asn	Ile	Val	Pro	Arg
65					70					75				80	
Leu	Leu	Gln	Ser	Phe	Leu	Glu	Gly	Gly	Asp	Leu	Ile	Ser	Leu	Val	Gly
				85					90					95	
Cys	Leu	Ala	Gln	Phe	Tyr	Val	Phe	Ala	Ser	Leu	Ala	Ala	Ala	Glu	Cys
			100					105					110		
Leu	Met	Leu	Ser	Ala	Met	Ser	Tyr	Asp	Arg	Tyr	Leu	Ala	Ile	Cys	His
	115						120					125			
Pro	Leu	His	Tyr	Pro	Val	Leu	Met	Ser	Thr	Trp	Cys	Cys	Val	Arg	Leu
	130					135					140				
Ala	Thr	Gly	Ala	Trp	Phe	Ser	Gly	Phe	Phe	Phe	Ser	Ala	Phe	Thr	Leu
145					150					155					160
Ala	Leu	Ala	Ala	Pro	Leu	Ser	Leu	Cys	Pro	Gly	Arg	Arg	Val	Ile	Asp
				165					170					175	
His	Tyr	Phe	Cys	Asp	Phe	Ala	Pro	Val	Val	Gly	Leu	Phe	Cys	Gly	Glu
			180					185					190		
Val	Trp	Val	Met	Trp	Gly	Ala	Gly	Val	Ser	Ile	Ser	Gly	Cys	Leu	Thr
	195						200					205			
Leu	Ala	Pro	Phe	Leu	Leu	Ile	Val	Ala	Ser	Tyr	Val	Phe	Ile	Leu	Arg
	210					215					220				
Ala	Val	Leu	Arg	Ile	Pro	Ser	Ser	His	Gly	Arg	Gln	Lys	Ala	Phe	Ser
225					230					235					240
Thr	Cys	Ser	Ser	His	Leu	Ser	Val	Val	Ala	Val	Phe	Tyr	Gly	Thr	Leu
				245					250					255	
Ile	Val	Val	Tyr	Val	Ala	Pro	Thr	Glu	His	Met	Pro	Ala	Leu	Leu	Arg
			260					265					270		
Lys	Ala	Phe	Ser	Val	Phe	Tyr	Thr	Val	Leu	Thr	Pro	Met	Phe	Asn	Pro
	275						280					285			
Ile	Ile	Tyr	Ser	Leu	Lys	Asn	Gln	Glu	Val	Lys	Trp	Ala	Leu	Arg	Arg
	290					295					300				
Leu	Cys	Arg	Gln	Leu	Leu										
305					310										

<210> 1928

<211> 311

<212> PRT

<213> Mus musculus

<400> 1928

Met	Arg	Asn	Arg	Ser	Val	Val	Thr	Gln	Phe	Ile	Leu	Leu	Gly	Ile	Pro
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Asn	Thr	Glu	Gly	Leu	Glu	Thr	Met	Leu	Phe	Val	Leu	Phe	Leu	Ser	Phe
			20					25					30		
Tyr	Ile	Phe	Thr	Leu	Met	Gly	Asn	Leu	Leu	Ile	Leu	Leu	Ala	Ile	Ile
		35					40					45			
Ser	Ser	Ser	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Cys	Lys	Leu
	50					55				60					
Ser	Ile	Phe	Asp	Ile	Phe	Phe	Pro	Ser	Val	Ser	Ser	Pro	Lys	Met	Leu
65					70					75				80	
Phe	Tyr	Leu	Ser	Gly	Asn	Ser	Arg	Ala	Ile	Ser	Tyr	Ala	Gly	Cys	Val
				85					90					95	
Ser	Gln	Leu	Phe	Phe	Tyr	His	Phe	Leu	Gly	Cys	Thr	Glu	Cys	Phe	Leu
			100					105					110		
Tyr	Thr	Val	Met	Ala	Tyr	Asp	Arg	Phe	Val	Ala	Ile	Cys	Tyr	Pro	Leu

Ile	Pro	Val	Met	Thr	Ile	Ile	Thr	Ser	Tyr	Ile	Phe	Ile	Ile	Ala	Thr
	210					215					220				
Ile	Leu	Tyr	Ile	His	Ser	Ser	Glu	Gly	Lys	Phe	Lys	Gly	Phe	Ser	Thr
225					230					235					240
Cys	Ser	Thr	His	Ile	Ser	Ala	Val	Ala	Ile	Phe	Tyr	Gly	Ser	Gly	Ala
				245					250					255	
Phe	Thr	Tyr	Leu	Gln	Pro	Ser	Leu	Leu	Asn	Ser	Met	Gly	Gln	Ala	Lys
			260					265					270		
Val	Ser	Ser	Val	Phe	Cys	Thr	Thr	Val	Val	Pro	Met	Leu	Asn	Pro	Phe
			275				280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Ser	Phe	Ala	Leu	Lys	Lys	Ile
	290					295					300				
Phe	Glu	Arg	Lys	Lys	Phe	Met									
305					310										

<210> 1930

<211> 319

<212> PRT

<213> Mus musculus

<400> 1930

Met	Glu	Asp	Met	Thr	Ser	Gly	Asn	Asn	Cys	Thr	Val	Ser	Glu	Phe	Phe
1				5					10					15	
Leu	Ala	Gly	Leu	Ser	Glu	Glu	Pro	Glu	Leu	Gln	Leu	Pro	Leu	Phe	Leu
			20					25					30		
Leu	Phe	Thr	Gly	Ile	Tyr	Leu	Ile	Thr	Val	Val	Gly	Asn	Leu	Gly	Met
			35				40					45			
Ile	Thr	Leu	Ile	Gly	Ile	Ser	Ser	His	Leu	His	Thr	Ala	Met	Tyr	Phe
	50					55					60				
Phe	Leu	Ser	Ser	Leu	Ser	Phe	Ile	Asp	Phe	Cys	Gln	Ser	Thr	Val	Val
65					70					75					80
Thr	Pro	Lys	Met	Leu	Val	Ser	Phe	Leu	Thr	Glu	Lys	Asn	Ile	Ile	Ser
			85						90					95	
Tyr	Leu	Gly	Cys	Met	Ala	Gln	Leu	Tyr	Phe	Phe	Ile	Ile	Phe	Gly	Ala
			100					105					110		
Ala	Glu	Cys	Tyr	Thr	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala
		115					120					125			
Ile	Cys	Asn	Pro	Leu	Leu	Tyr	Thr	Val	Val	Met	Ser	Tyr	Gln	Val	Tyr
	130					135					140				
Ser	Ser	Leu	Ile	Ser	Gly	Val	Tyr	Ile	Tyr	Ala	Val	Phe	Cys	Ala	Ser
145					150					155					160
Val	His	Thr	Gly	Val	Leu	Thr	Arg	Ile	Gln	Phe	Cys	Lys	Leu	Asp	Val
			165						170					175	
Ile	Asn	His	Tyr	Phe	Cys	Asp	Ile	Leu	Pro	Leu	Leu	Lys	Leu	Ala	Cys
			180					185					190		
Ser	Asn	Thr	Tyr	Ile	Asp	Glu	Met	Leu	Ile	Leu	Phe	Phe	Gly	Thr	Leu
		195					200						205		
Asn	Ile	Phe	Ala	Pro	Thr	Leu	Ile	Ile	Ile	Thr	Ser	Tyr	Ile	Phe	Ile
	210					215						220			
Ile	Ala	Ser	Ile	Phe	His	Ile	Arg	Ser	Arg	Glu	Gly	Arg	Ser	Lys	Ala
225					230					235					240
Phe	Ser	Thr	Cys	Ser	Ser	His	Ile	Ser	Ala	Val	Ala	Ile	Phe	Tyr	Gly
			245						250					255	
Ser	Ala	Ala	Phe	Met	Tyr	Leu	Gln	Pro	Ser	Arg	Val	Asn	Ser	Met	Asp
			260					265					270		
Gln	Gly	Lys	Val	Ser	Ser	Val	Phe	Tyr	Thr	Thr	Val	Val	Pro	Met	Leu
		275					280					285			
Asn	Pro	Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Thr	Val	Ala	Leu

290		295		300
Lys Lys Ile Leu Glu Arg	Lys Asn Phe Met Trp	Ser Glu Val Thr		
305	310	315		

<210> 1931
 <211> 310
 <212> PRT
 <213> Mus musculus

<400> 1931

Met Asp Asn Tyr Thr Leu Leu Asn Glu Phe Ile Leu Leu Gly Ile Pro	
1 5 10 15	
Gln Thr Gln Gly Leu Glu Thr Leu Leu Phe Val Val Phe Leu Phe Ile	
20 25 30	
Tyr Phe Phe Thr Leu Leu Gly Asn Ser Leu Ile Phe Thr Ala Ile Ile	
35 40 45	
Ser Ser Ser Thr Leu His Thr Pro Met Tyr Phe Phe Leu Gly Leu Leu	
50 55 60	
Ser Val Phe Asp Met Leu Phe Pro Ser Val Thr Cys Pro Lys Met Leu	
65 70 75 80	
Phe Tyr Leu Ser Val Arg Ser Pro Ala Ile Ser Tyr Lys Gly Cys Ala	
85 90 95	
Ala Gln Leu Phe Phe Tyr His Leu Leu Gly Ser Thr Glu Gly Cys Leu	
100 105 110	
Tyr Ser Val Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys His Pro Leu	
115 120 125	
Arg Tyr Met Leu Ile Met Lys Pro Gly Val Cys Val Ser Leu Val Ile	
130 135 140	
Ile Ala Trp Leu Val Gly Cys Leu His Ala Thr Ile Leu Thr Ser Leu	
145 150 155 160	
Thr Phe Gln Leu Val Tyr Cys Ala Ser Asn Gln Val Asp Tyr Phe Phe	
165 170 175	
Cys Asp Leu Pro Ala Val Leu Pro Leu Ala Cys Thr Asp Ser Lys Leu	
180 185 190	
Ala Arg Lys Val Gly Ser Ile Asn Val Gly Phe Leu Ala Leu Met Leu	
195 200 205	
Leu Phe Ser Val Cys Val Ser Tyr Val His Ile Gly Val Ala Ile Leu	
210 215 220	
Arg Ile Arg Ser Ala Glu Gly Arg Gln Lys Ala Phe Ser Thr Cys Ser	
225 230 235 240	
Ala His Leu Thr Ala Ile Leu Cys Ala Tyr Gly Pro Val Ile Ile Ile	
245 250 255	
Tyr Leu Gln Arg Thr Pro Asn Pro Leu Leu Gly Ala Val Val Gln Ile	
260 265 270	
Leu Asn Asn Ile Val Ser Pro Met Leu Asn Ser Leu Ile Tyr Ser Leu	
275 280 285	
Arg Asn Lys Glu Val Lys Arg Ser Leu Arg Arg Val Phe Gln Asn Ile	
290 295 300	
Thr Phe His Gly Gln Lys	
305 310	

<210> 1932
 <211> 314
 <212> PRT
 <213> Mus musculus

<400> 1932

Met	Thr	Asn	His	Thr	Met	Val	Thr	Glu	Phe	Thr	Leu	Leu	Gly	Ile	Pro
1				5					10					15	
Glu	Thr	Glu	Gly	Leu	Glu	Asn	Ala	Leu	Leu	Phe	Leu	Phe	Ser	Thr	Met
			20					25					30		
Tyr	Ala	Cys	Ala	Leu	Leu	Gly	Asn	Phe	Leu	Ile	Leu	Thr	Ala	Ile	Thr
		35					40					45			
Thr	Ser	Pro	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Gly	Asn	Leu
	50					55					60				
Ser	Ile	Phe	Asp	Leu	Gly	Phe	Cys	Ser	Thr	Thr	Ala	Pro	Lys	Met	Leu
65				70						75				80	
Ser	Tyr	Leu	Ser	Gly	Trp	Gly	Gly	Gly	Ile	Ser	Phe	Gln	Gly	Cys	Val
			85						90				95		
Val	Gln	His	Phe	Phe	Tyr	His	Cys	Leu	Gly	Cys	Thr	Leu	Cys	Phe	Leu
			100					105					110		
Tyr	Thr	Val	Met	Ala	Tyr	Asp	Arg	Phe	Val	Ala	Ile	Cys	Phe	Pro	Leu
		115					120					125			
Arg	Tyr	Thr	Ile	Ile	Met	Asn	His	Arg	Val	Cys	Cys	Val	Leu	Ala	Thr
	130					135						140			
Gly	Thr	Trp	Met	Ser	Gly	Cys	Val	His	Ala	Thr	Ile	Leu	Thr	Ser	Leu
145				150						155					160
Thr	Phe	Gln	Leu	Pro	Tyr	Cys	Gly	Pro	Ser	Glu	Val	Ser	Tyr	Tyr	Phe
			165						170					175	
Cys	Asp	Met	Pro	Ala	Val	Leu	Leu	Leu	Ala	Cys	Glu	Asp	Ser	Ser	Leu
			180					185				190			
Ala	Gln	Arg	Val	Gly	Phe	Thr	Asn	Val	Gly	Leu	Leu	Ser	Leu	Ile	Cys
		195					200					205			
Phe	Phe	Leu	Ile	Ile	Val	Ser	Tyr	Thr	Arg	Ile	Gly	Ile	Ser	Ile	Ser
	210					215					220				
Lys	Ile	Arg	Ser	Thr	Glu	Gly	Arg	Gln	Arg	Ala	Phe	Ser	Thr	Cys	Ser
225				230						235					240
Ala	His	Leu	Thr	Ala	Ile	Met	Cys	Val	Tyr	Gly	Pro	Val	Ile	Val	Ile
			245						250					255	
Tyr	Leu	Gln	Pro	Asn	Pro	Ser	Pro	Leu	Leu	Ser	Ala	Ile	Ile	Gln	Ile
			260					265					270		
Leu	His	Asn	Leu	Val	Thr	Pro	Thr	Ile	Asn	Pro	Leu	Ile	Tyr	Ser	Leu
		275					280					285			
Arg	Asn	Lys	Asp	Val	Lys	Ala	Ala	Leu	Arg	His	Val	Phe	Leu	Lys	Arg
	290					295					300				
Cys	Leu	Ser	Leu	Glu	Val	Asn	Glu	Asn	Ser						
305					310										

<210> 1933

<211> 314

<212> PRT

<213> Mus musculus

<400> 1933

Met	Glu	Glu	Leu	Asn	His	Thr	Pro	Val	Ala	Glu	Phe	Ile	Leu	Ala	Gly
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Leu	Thr	Glu	Asn	Pro	Glu	Leu	Gln	Leu	Pro	Leu	Phe	Leu	Ile	Phe	Leu
			20					25					30		
Ser	Val	Tyr	Leu	Phe	Thr	Val	Val	Gly	Asn	Leu	Gly	Met	Ile	Val	Leu
		35					40					45			
Ile	Leu	Ile	Ser	Ser	Gln	Leu	His	Thr	Pro	Met	Tyr	Tyr	Leu	Leu	Ser
	50					55					60				
Ser	Leu	Ser	Phe	Ile	Asp	Cys	Cys	Gln	Ser	Thr	Val	Ile	Val	Pro	Lys
65				70						75				80	
Met	Leu	Leu	Asn	Phe	Val	Thr	Glu	Lys	Asn	Val	Ile	Leu	Tyr	Pro	Glu

				85					90					95			
Cys	Ile	Ala	Gln	Phe	Tyr	Phe	Phe	Cys	Thr	Phe	Val	Val	Ala	Lys	Cys		
			100					105					110				
His	Met	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Ser	Asn		
		115					120					125					
Pro	Leu	Leu	Tyr	Lys	Val	Thr	Met	Ser	Tyr	Gln	Val	Cys	Leu	Leu	Met		
		130				135					140						
Val	Ala	Val	Val	Tyr	Gly	Ile	Gly	Leu	Ile	Ser	Ala	Thr	Ala	His	Thr		
145					150					155					160		
Val	Phe	Leu	Leu	Arg	Leu	Phe	Phe	Cys	Lys	Ala	Asp	Lys	Ile	Asn	His		
				165					170					175			
Tyr	Phe	Cys	Asp	Leu	Phe	Pro	Leu	Leu	Glu	Leu	Ser	Cys	Ser	Ser	Thr		
			180					185					190				
Phe	Ile	Asn	Glu	Ile	Leu	Ala	Leu	Ser	Phe	Ser	Ala	Phe	Asn	Ile	Ile		
		195					200					205					
Val	Pro	Ala	Met	Thr	Ile	Ile	Gly	Ser	Tyr	Ile	Phe	Ile	Ile	Ile	Ser		
	210					215					220						
Ile	Leu	His	Ile	Lys	Ser	Ser	Gly	Gly	Arg	Val	Lys	Ala	Phe	Ser	Thr		
225					230					235					240		
Tyr	Ser	Ser	His	Ile	Leu	Ala	Val	Ala	Ile	Phe	Phe	Gly	Ser	Thr	Thr		
			245						250					255			
Phe	Met	Tyr	Leu	Gln	Pro	Ser	Ser	Val	Ser	Ser	Met	Asp	Gln	Trp	Lys		
			260					265					270				
Val	Ser	Ser	Val	Phe	Tyr	Thr	Ile	Val	Val	Pro	Val	Leu	Asn	Leu	Met		
		275					280					285					
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Val	Ala	Leu	Lys	Met	Leu		
	290					295					300						
Leu	Gln	Lys	Met	Phe	Pro	Gln	Asn	Lys	Glu								
305					310												

<210> 1934

<211> 310

<212> PRT

<213> Mus musculus

<400> 1934

Met	Ser	Asn	Tyr	Thr	Gly	Gln	Phe	Ser	Asp	Phe	Thr	Leu	Val	Gly	Phe		
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Phe	Ser	Gln	Ser	Lys	His	Pro	Ala	Leu	Leu	Ala	Val	Val	Ile	Phe	Val		
		20						25					30				
Val	Phe	Leu	Met	Ala	Leu	Ser	Gly	Asn	Thr	Leu	Leu	Ile	Leu	Leu	Ile		
		35					40					45					
Leu	Ser	Asp	Thr	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Ile	Ser	Gln		
		50				55					60						
Leu	Ser	Leu	Met	Asp	Met	Met	Tyr	Ile	Ser	Val	Thr	Val	Pro	Lys	Met		
65					70					75				80			
Leu	Met	Asp	Gln	Val	Leu	Gly	Asn	His	Lys	Ile	Ser	Ala	Ala	Ala	Cys		
			85						90					95			
Gly	Met	Gln	Met	Phe	Leu	Tyr	Leu	Ser	Ile	Gly	Gly	Ser	Glu	Phe	Leu		
		100						105					110				
Leu	Leu	Ala	Ala	Met	Ser	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	His	Pro		
		115					120					125					
Leu	Arg	Tyr	Pro	Val	Leu	Met	Asn	His	Arg	Ile	Cys	Leu	Leu	Leu	Leu		
	130					135					140						
Ser	Val	Cys	Trp	Leu	Leu	Gly	Ser	Leu	Asp	Gly	Phe	Met	Leu	Thr	Pro		
145					150					155					160		
Val	Thr	Met	Thr	Phe	Pro	Ile	Cys	Gly	Ser	Arg	Glu	Ile	His	His	Phe		
				165					170					175			

Phe	Cys	Glu	Val	Pro	Ala	Val	Thr	Lys	Leu	Ser	Cys	Ser	Asp	Thr	Trp	
			180					185					190			
Leu	Tyr	Glu	Thr	Leu	Met	Tyr	Val	Cys	Cys	Val	Leu	Met	Ile	Leu	Ile	
		195					200					205				
Pro	Val	Thr	Val	Ile	Ser	Gly	Ser	Tyr	Ser	Ser	Ile	Leu	Leu	Thr	Val	
	210					215					220					
Leu	Arg	Met	Asn	Ser	Ala	Glu	Gly	Arg	Lys	Lys	Ala	Leu	Ala	Thr	Cys	
225					230					235					240	
Ser	Ser	His	Met	Thr	Val	Val	Thr	Leu	Phe	Tyr	Gly	Ala	Ala	Val	Tyr	
				245					250					255		
Thr	Tyr	Met	Leu	Pro	Ala	Ser	Leu	His	Thr	Pro	Glu	Lys	Asp	Met	Val	
		260						265					270			
Val	Ser	Val	Phe	Tyr	Thr	Ile	Val	Thr	Pro	Leu	Leu	Asn	Pro	Leu	Ile	
		275					280					285				
Tyr	Ser	Phe	Arg	Asn	Lys	Asn	Val	Thr	Glu	Ala	Met	Lys	Lys	Leu	Leu	
	290					295					300					
Gly	Val	Ser	Ile	Pro	His											
305					310											

<210> 1935

<211> 306

<212> PRT

<213> Mus musculus

<400> 1935

Met	Glu	Ser	Gly	Asn	His	Ser	Cys	Gly	Thr	Glu	Phe	Thr	Leu	Val	Gly	
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Leu	Phe	Gln	Tyr	Gly	His	Met	Asp	Thr	Phe	Leu	Phe	Thr	Leu	Ile	Ala	
		20						25					30			
Ile	Leu	Phe	Ala	Val	Ala	Leu	Met	Gly	Asn	Ile	Thr	Leu	Val	Leu	Leu	
	35						40					45				
Ile	Arg	Leu	Asp	Arg	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser	
	50					55					60					
Gln	Leu	Ser	Ile	Ile	Asp	Met	Met	Tyr	Ile	Ser	Thr	Thr	Val	Pro	Lys	
65					70					75				80		
Met	Ala	Ala	Asn	Phe	Leu	Ser	Asp	Thr	Lys	Ala	Ile	Ser	Phe	Leu	Gly	
			85						90					95		
Cys	Ala	Val	Gln	Thr	Phe	Val	Phe	Leu	Thr	Leu	Gly	Gly	Ser	Glu	Ala	
		100						105					110			
Leu	Leu	Leu	Gly	Phe	Met	Ser	Tyr	Asp	Arg	Tyr	Ile	Ala	Ile	Cys	Gln	
		115					120					125				
Pro	Leu	His	Tyr	Pro	Val	Leu	Met	Ser	Arg	Lys	Ile	Cys	Cys	Ser	Met	
	130					135					140					
Val	Ala	Gly	Ala	Trp	Ser	Ser	Ser	Ser	Ile	Asn	Ala	Phe	Met	His	Thr	
145					150					155				160		
Val	Tyr	Val	Phe	Gln	Leu	Pro	Phe	Cys	Gly	Ser	Arg	Met	Val	Asn	His	
			165						170					175		
Phe	Phe	Cys	Glu	Val	Pro	Ser	Leu	Leu	Pro	Leu	Val	Cys	Glu	Asp	Thr	
		180						185					190			
Ser	Gln	Tyr	Glu	His	Thr	Val	Leu	Val	Ser	Gly	Leu	Val	Ile	Leu	Leu	
		195					200					205				
Leu	Pro	Phe	Leu	Ala	Ile	Leu	Ala	Ser	Tyr	Ala	Arg	Val	Leu	Val	Val	
	210					215					220					
Val	Leu	Gln	Met	Gly	Ser	Gly	Lys	Gly	Gln	Ser	Arg	Ala	Val	Ser	Thr	
225					230					235					240	
Cys	Ser	Ser	His	Leu	Thr	Val	Ala	Ser	Leu	Phe	Tyr	Val	Thr	Thr	Leu	
			245						250					255		
Ser	Thr	Tyr	Thr	Gln	Pro	His	Ser	Leu	His	Ser	Pro	Gly	Arg	Asp	Lys	

			260					265				270					
Val	Val	Ala	Val	Leu	Tyr	Ser	Ile	Val	Thr	Pro	Val	Leu	Asn	Pro	Phe		
		275					280					285					
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Met	Gly	Ala	Leu	Arg	Arg	Gln		
	290					295					300						
Arg	Gly																
305																	

<210> 1936
 <211> 306
 <212> PRT
 <213> Mus musculus

<400> 1936																	
Met	Glu	Thr	Gly	Asn	His	Ser	Cys	Gly	Thr	Asp	Phe	Thr	Leu	Val	Gly		
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Leu	Phe	Gln	Tyr	Gly	His	Met	Asp	Thr	Phe	Leu	Phe	Thr	Val	Ile	Ser		
		20						25					30				
Ile	Leu	Phe	Ala	Val	Ala	Leu	Ile	Gly	Asn	Ile	Thr	Leu	Val	Leu	Leu		
		35					40					45					
Ile	Arg	Leu	Asp	Arg	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser		
	50					55					60						
Gln	Leu	Ser	Ile	Ile	Asp	Met	Met	Cys	Ile	Ser	Thr	Thr	Val	Pro	Lys		
65					70					75					80		
Met	Gly	Ala	Asn	Phe	Leu	Ser	Asp	Thr	Lys	Ala	Ile	Ser	Val	Leu	Gly		
				85					90					95			
Cys	Glu	Ile	Gln	Val	Phe	Met	Phe	Met	Ser	Leu	Ala	Gly	Cys	Glu	Ala		
			100					105					110				
Leu	Leu	Leu	Gly	Phe	Met	Ser	Tyr	Asp	Arg	Tyr	Ile	Ala	Ile	Cys	Gln		
		115					120					125					
Pro	Leu	His	Tyr	Pro	Val	Leu	Met	Ser	Arg	Lys	Ile	Cys	Cys	Ser	Met		
	130					135					140						
Val	Ala	Ser	Ala	Trp	Ser	Ser	Ser	Ser	Ile	Asn	Ala	Leu	Ala	His	Thr		
145					150					155					160		
Val	Tyr	Val	Phe	Gln	Leu	Pro	Phe	Cys	Gly	Ser	Arg	Met	Val	Asn	His		
			165						170					175			
Phe	Phe	Cys	Glu	Val	Pro	Ser	Leu	Leu	Pro	Leu	Val	Cys	Glu	Asp	Thr		
			180					185					190				
Ser	Gln	Tyr	Glu	His	Met	Ile	Val	Met	Ser	Val	Leu	Val	Leu	Val	Leu		
		195					200					205					
Leu	Pro	Phe	Leu	Ala	Ile	Leu	Ala	Ser	Tyr	Ala	Arg	Val	Leu	Val	Val		
	210					215					220						
Val	Phe	Gln	Met	Gly	Ser	Gly	Lys	Gly	Gln	Ser	Arg	Ala	Val	Ser	Thr		
225					230					235					240		
Cys	Ser	Ser	His	Leu	Thr	Val	Ala	Ser	Leu	Phe	Tyr	Val	Thr	Gly	Leu		
			245						250					255			
Cys	Thr	Tyr	Thr	Gln	Pro	His	Ser	Leu	His	Ser	Pro	Gly	Arg	Asp	Lys		
		260						265					270				
Val	Val	Ala	Val	Leu	Tyr	Ser	Ile	Val	Thr	Pro	Val	Leu	Asn	Pro	Phe		
		275					280					285					
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Ile	Gly	Ala	Leu	Arg	Arg	Gln		
	290					295					300						
Met	Gly																
305																	

<210> 1937
 <211> 321

<212> PRT

<213> Mus musculus

<400> 1937

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Met Ala Phe Leu His Asn Gly Asn His Thr Ala Val Thr Glu Phe Ile
 1          5          10          15
Leu Leu Gly Leu Thr Asp Asp Pro Val Leu Arg Ile Val Leu Phe Thr
 20          25          30
Ile Ile Leu Cys Ile Tyr Leu Val Thr Val Ser Gly Asn Leu Ser Thr
 35          40          45
Ile Leu Leu Ile Arg Val Ser Ser Gln Leu His His Pro Met Tyr Phe
 50          55          60
Phe Leu Ser His Leu Ala Ser Ala Asp Ile Gly Tyr Ser Ser Ser Val
 65          70          75          80
Thr Pro Asn Met Leu Val Asn Phe Leu Val Lys Gln Asn Thr Ile Ser
 85          90          95
Tyr Ile Gly Cys Ser Ile Gln Phe Gly Ser Ala Ala Phe Phe Gly Gly
 100          105          110
Leu Glu Cys Phe Leu Leu Ala Val Met Ala Tyr Asp Arg Phe Val Ala
 115          120          125
Ile Cys Asn Pro Leu Leu Tyr Ser Thr Lys Met Ser Thr Gln Val Cys
 130          135          140
Val Gln Leu Val Val Gly Ser Tyr Ile Gly Gly Phe Leu Asn Ala Ser
 145          150          155          160
Phe Ala Thr Val Ser Phe Leu Phe Leu Phe Phe Cys Gly Pro Asn Ile
 165          170          175
Ile Asn His Phe Phe Cys Asp Phe Ala Pro Leu Ile Glu Leu Ser Cys
 180          185          190
Ser Asp Val Arg Ile Ser Val Leu Val Thr Ser Phe Ser Ala Gly Thr
 195          200          205
Val Thr Met Leu Thr Val Leu Val Ile Ala Ile Ser Tyr Thr Tyr Ile
 210          215          220
Leu Ile Thr Ile Leu Lys Met Arg Ser Thr Glu Gly Arg His Lys Ala
 225          230          235          240
Phe Ser Thr Cys Thr Ser His Leu Thr Ala Val Ser Leu Phe Tyr Gly
 245          250          255
Thr Ile Thr Phe Ile Tyr Val Met Pro Lys Ser Arg Tyr Ser Thr Asp
 260          265          270
Gln Asn Lys Val Val Ser Val Phe Tyr Met Val Val Ile Pro Met Leu
 275          280          285
Asn Pro Leu Ile Tyr Ser Leu Arg Asn Asn Glu Ile Lys Gly Ala Leu
 290          295          300
Arg Arg His Leu Gly Lys Lys Ile Phe Ser Gln Ser Asn Ile Leu Phe
 305          310          315          320
Tyr
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<210> 1938

<211> 314

<212> PRT

<213> Mus musculus

<400> 1938

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Met Ala Phe Leu Glu Asn Gly Asn His Thr Ala Val Ser Glu Phe Ile
 1          5          10          15
Leu Leu Gly Leu Thr Asp Asp Pro Val Leu Arg Ile Val Leu Phe Thr
 20          25          30
Ile Ile Leu Cys Ile Tyr Leu Val Thr Val Ser Gly Asn Leu Ser Thr
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Ile	Cys	Asn	Pro	Leu	Leu	Tyr	Ser	Thr	Lys	Met	Ser	Thr	Gln	Thr	Cys
130						135					140				
Ile	Gln	Leu	Val	Val	Gly	Ser	Tyr	Thr	Gly	Gly	Ile	Leu	Asn	Ala	Ser
145					150					155					160
Phe	Ala	Ile	Ile	Ser	Phe	Phe	Ser	Phe	Leu	Phe	Cys	Gly	Pro	Asn	Arg
				165					170						175
Ile	Asn	His	Phe	Tyr	Cys	Asp	Phe	Ala	Pro	Leu	Val	Glu	Leu	Ser	Cys
			180					185					190		
Ser	Asp	Ile	Asn	Val	Ser	Val	Val	Ile	Thr	Thr	Ile	Phe	Ser	Ala	Ser
		195					200					205			
Val	Thr	Ile	Ile	Thr	Val	Phe	Val	Ile	Ala	Ile	Ser	Tyr	Thr	Tyr	Ile
	210					215					220				
Leu	Ile	Thr	Ile	Leu	Lys	Met	Arg	Ser	Thr	Glu	Gly	Arg	His	Lys	Ala
225					230					235					240
Phe	Ser	Thr	Cys	Thr	Ser	Tyr	Leu	Thr	Ala	Val	Thr	Leu	Phe	Tyr	Gly
			245						250					255	
Thr	Val	Thr	Phe	Ile	Tyr	Val	Val	Pro	Lys	Ser	Asn	Tyr	Ser	Thr	Asp
			260					265					270		
Gln	Asn	Lys	Val	Ala	Ser	Val	Phe	Tyr	Ile	Val	Val	Ile	Pro	Met	Leu
		275					280					285			
Asn	Pro	Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Asn	Asp	Ile	Lys	Gly	Ala	Leu
	290					295					300				
Lys	Arg	Gln	Leu	Gly	Lys	Lys	Thr	Phe	Ser						
305					310										

<210> 1940

<211> 314

<212> PRT

<213> Mus musculus

<400> 1940

Met	Ala	Phe	Ile	Tyr	Asn	Gly	Ser	Gln	Thr	Thr	Val	Thr	Glu	Phe	Ile
1				5					10					15	
Leu	Leu	Gly	Leu	Thr	Asp	Asp	Pro	Val	Leu	Lys	Val	Ile	Leu	Phe	Cys
			20					25					30		
Ile	Ile	Leu	Cys	Ile	Tyr	Leu	Val	Thr	Val	Phe	Gly	Asn	Leu	Ser	Thr
		35					40					45			
Ile	Leu	Leu	Ile	Gly	Val	Ser	Ser	Lys	Leu	His	His	Pro	Met	Tyr	Phe
	50					55					60				
Phe	Leu	Ser	His	Leu	Ala	Ser	Val	Asp	Met	Gly	Leu	Ser	Ser	Ser	Val
65					70					75					80
Thr	Pro	Asn	Met	Leu	Val	Asn	Phe	Leu	Thr	Glu	Lys	Asn	Thr	Ile	Ser
			85						90					95	
Tyr	Leu	Gly	Cys	Gly	Ile	Gln	Leu	Ser	Ser	Ala	Ala	Phe	Phe	Gly	Ala
			100					105					110		
Val	Glu	Phe	Phe	Leu	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Leu	Val	Ala
		115					120					125			
Ile	Cys	Asn	Pro	Leu	Leu	Tyr	Ser	Thr	Lys	Met	Ser	Ser	Gln	Val	Cys
	130					135					140				
Ile	Gln	Leu	Val	Ala	Gly	Ser	Tyr	Val	Gly	Gly	Phe	Leu	Asn	Ala	Ser
145					150					155					160
Phe	Val	Thr	His	Phe	Phe	Phe	Ser	Phe	Leu	Phe	Cys	Gly	Pro	Asn	Arg
			165						170					175	
Val	Asn	His	Phe	Phe	Cys	Asp	Leu	Ser	Pro	Met	Met	Glu	Leu	Ser	Cys
		180						185					190		
Ser	Asp	Val	Ser	Ile	Ser	Glu	Ile	Val	Ile	Ser	Phe	Ser	Ala	Gly	Ser
	195					200						205			
Phe	Thr	Met	Thr	Thr	Leu	Phe	Val	Ile	Val	Ile	Pro	Tyr	Phe	Tyr	Ile

210		215		220											
Phe	Ile	Thr	Ile	Leu	Lys	Ile	Arg	Ser	Thr	Glu	Gly	Arg	Gln	Lys	Ala
225					230					235					240
Phe	Ser	Thr	Cys	Thr	Ser	His	Leu	Thr	Ala	Val	Thr	Leu	Tyr	Tyr	Gly
				245						250					255
Thr	Ile	Ile	Phe	Ile	Tyr	Val	Met	Pro	Lys	Ser	Thr	Tyr	Ser	Arg	Asp
			260						265					270	
Gln	Asn	Lys	Val	Val	Ser	Leu	Phe	Tyr	Met	Leu	Val	Ile	Pro	Val	Leu
		275					280					285			
Asn	Pro	Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Asn	Glu	Ile	Lys	Asp	Ala	Leu
	290					295					300				
Lys	Arg	Gln	Phe	Tyr	Arg	Lys	Thr	Leu	Leu						
305					310										

<210> 1941

<211> 310

<212> PRT

<213> Mus musculus

<400> 1941

Met	Asn	Gly	Gly	Asn	His	Thr	Ser	Met	Thr	Glu	Leu	Phe	Ile	Leu	Gly
1				5					10					15	
Pro	Thr	Glu	Asp	Pro	Thr	Phe	Cys	Ile	Ala	Phe	Phe	Val	Ile	Phe	Leu
			20					25					30		
Gly	Val	Tyr	Met	Val	Thr	Leu	Val	Gly	Asn	Ile	Ser	Ile	Ile	Thr	Leu
		35				40						45			
Ile	Arg	Ile	Ser	Ser	Gln	Leu	His	Thr	Pro	Val	Tyr	Leu	Phe	Leu	Asn
	50					55					60				
His	Leu	Ala	Phe	Val	Asp	Ile	Leu	Tyr	Ser	Thr	Leu	Val	Ser	Val	Ile
65					70					75					80
Met	Leu	Met	Glu	Leu	Glu	His	Glu	Leu	Ala	Leu	Pro	Val	Ala	Ala	
			85					90					95		
Cys	Ala	Ala	Glu	Leu	Cys	Ile	Thr	Val	Leu	Phe	Gly	Ser	Ser	Glu	Cys
			100					105					110		
Phe	Leu	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Cys	Tyr	Val	Ala	Ile	Cys	Ser
	115						120					125			
Pro	Leu	Leu	Tyr	Ser	Thr	Leu	Met	Ser	Ser	Arg	Val	Cys	Phe	Leu	Leu
	130					135					140				
Leu	Gly	Met	Ser	Tyr	Val	Gly	Gly	Cys	Met	Asn	Gly	Trp	Ile	Phe	Thr
145					150					155					160
Gly	Cys	Leu	Leu	Asn	Leu	Ser	Phe	Tyr	Gly	Pro	Tyr	Gln	Ile	Asp	His
				165					170					175	
Phe	Phe	Cys	Asp	Phe	Ser	Pro	Leu	Leu	Lys	Leu	Ser	Cys	Ser	Asp	Val
			180					185					190		
Ser	Ile	Ile	Gly	Ile	Ile	Pro	Ser	Ile	Ser	Ser	Gly	Ser	Ile	Ile	Val
	195					200						205			
Val	Thr	Val	Leu	Val	Ile	Ala	Val	Phe	Tyr	Ile	Cys	Ile	Leu	Met	Thr
	210					215					220				
Ile	Leu	Lys	Met	His	Ser	Thr	Asp	Gly	Cys	His	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Asn	Ser	Tyr	Leu	Thr	Ala	Val	Thr	Leu	Tyr	Tyr	Gly	Thr	Ile	Thr
				245					250					255	
Phe	Ile	Tyr	Val	Met	Pro	Lys	Ser	Asn	Tyr	Ser	Thr	Glu	Lys	Asn	Lys
			260					265					270		
Val	Leu	Ser	Glu	Phe	Tyr	Thr	Val	Val	Ile	Pro	Met	Leu	Asn	His	Leu
		275					280					285			
Ile	Tyr	Ser	Leu	Lys	Asn	Arg	Asp	Val	Lys	Asp	Ala	Leu	Arg	Lys	Ala
	290					295					300				

Ile Val Arg Val Tyr Thr
305 310

<210> 1942
<211> 308
<212> PRT
<213> Mus musculus

<400> 1942
Met Glu Ile Lys Asn Ser Ser Val Val Thr Glu Phe Ile Leu Leu Gly
1 5 10 15
Leu Thr Gln Ser Gln Glu Ala Gln Leu Leu Val Phe Ala Leu Ile Ser
20 25 30
Val Phe Tyr Leu Ile Ile Leu Pro Gly Asn Phe Leu Ile Phe Thr
35 40 45
Ile Arg Ser Asp Ser Gly Leu Thr Ala Pro Leu Tyr Phe Phe Leu Gly
50 55 60
Asn Leu Ala Phe Leu Asp Ala Ser Tyr Ser Phe Ile Val Ala Pro Arg
65 70 75 80
Met Leu Val Asp Phe Phe Cys Glu Lys Lys Val Ile Ser Tyr Lys Ala
85 90 95
Cys Ile Thr Gln Leu Phe Phe Leu His Phe Leu Gly Ala Gly Glu Met
100 105 110
Phe Leu Leu Val Val Met Ala Val Asp Arg Tyr Ile Ala Ile Cys Arg
115 120 125
Pro Leu Tyr Tyr Ser Thr Leu Met Asn Pro Arg Val Cys Tyr Ala Leu
130 135 140
Leu Leu Ala Leu Trp Leu Gly Gly Phe Ala His Ser Ile Val Gln Val
145 150 155 160
Ala Leu Ile Leu Asn Leu Pro Phe Cys Gly Pro Asn Gln Leu Asp Asn
165 170 175
Phe Phe Cys Asp Val Pro Gln Val Val Lys Leu Ala Cys Thr Asp Thr
180 185 190
Phe Ala Val Glu Leu Leu Met Val Ser Asn Ser Gly Leu Leu Thr Leu
195 200 205
Leu Cys Phe Leu Gly Leu Leu Ala Ser Tyr Ala Val Ile Leu Tyr His
210 215 220
Val Lys Gly His Ser Ser Glu Gly Lys Ser Lys Ala Ile Ser Thr Cys
225 230 235 240
Thr Thr His Ile Ile Ile Val Phe Leu Met Phe Gly Pro Ala Ile Phe
245 250 255
Ile Tyr Thr Arg Pro Phe Gln Ala Leu Gln Ala Asp Lys Val Val Ser
260 265 270
Leu Phe His Thr Val Ile Phe Pro Leu Met Asn Pro Val Ile Tyr Thr
275 280 285
Leu Arg Asn Gln Glu Val Lys Thr Ser Met Arg Lys Leu Leu Ser Gln
290 295 300
Tyr Val Ile Cys
305

<210> 1943
<211> 318
<212> PRT
<213> Mus musculus

<400> 1943
Met Met Asn Val Ala Asn Lys Ser Val Val Thr Glu Phe Val Leu Leu

1				5					10					15			
Gly	Leu	Ser	Asn	Ser	Trp	Glu	Leu	Gln	Ile	Phe	Phe	Phe	Ile	Val	Phe		
			20					25					30				
Ser	Leu	Phe	Tyr	Val	Ala	Thr	Met	Val	Ser	Asn	Ser	Met	Ile	Val	Leu		
		35					40					45					
Ile	Val	Ile	Ser	Asp	Ser	His	Leu	His	Ser	Ala	Met	Tyr	Phe	Leu	Leu		
	50					55					60						
Thr	Asn	Leu	Ser	Ile	Ile	Asp	Met	Ser	Leu	Ala	Ser	Phe	Ala	Thr	Pro		
65				70						75					80		
Lys	Met	Ile	Ile	Asp	Tyr	Leu	Thr	Asp	His	Lys	Thr	Ile	Ser	Phe	Asp		
				85					90					95			
Gly	Cys	Ile	Ala	Gln	Ile	Phe	Phe	Leu	His	Leu	Phe	Thr	Gly	Thr	Glu		
			100					105					110				
Ile	Ile	Leu	Leu	Met	Ala	Met	Ser	Phe	Asp	Arg	Tyr	Ile	Ala	Ile	Cys		
		115					120					125					
Lys	Pro	Leu	Arg	Tyr	Ala	Ser	Ile	Ile	Ser	Pro	Gln	Val	Cys	Ile	Ala		
	130					135					140						
Phe	Val	Val	Ser	Ser	Trp	Ile	Val	Gly	Thr	Met	His	Ser	Met	Ser	Gln		
145					150					155					160		
Val	Ile	Phe	Ala	Leu	Thr	Leu	Pro	Phe	Cys	Gly	Pro	Asn	Lys	Ile	Asp		
				165					170					175			
Ser	Phe	Phe	Cys	Asp	Leu	Pro	Val	Val	Phe	Gln	Leu	Ser	Cys	Val	Asp		
			180					185					190				
Thr	Tyr	Val	Leu	Gly	Leu	Phe	Met	Ile	Ser	Thr	Ser	Gly	Ile	Ile	Ala		
		195					200					205					
Leu	Ser	Cys	Phe	Ile	Leu	Leu	Phe	Asn	Ser	Tyr	Ile	Ile	Val	Leu	Val		
	210					215					220						
Thr	Ile	Lys	His	His	Ser	Ser	Lys	Gly	Ser	Ser	Lys	Ala	Leu	Ser	Thr		
225					230					235					240		
Cys	Thr	Ala	His	Phe	Ile	Val	Val	Phe	Met	Phe	Phe	Gly	Pro	Cys	Ile		
				245					250					255			
Phe	Ile	Tyr	Met	Trp	Pro	Gln	Asn	Ser	Phe	Val	Ile	Glu	Lys	Ile	Leu		
			260					265					270				
Ser	Val	Phe	Tyr	Thr	Ile	Phe	Thr	Pro	Ile	Met	Asn	Pro	Val	Ile	Tyr		
		275					280					285					
Thr	Leu	Arg	Asn	His	Glu	Val	Asn	Ser	Ala	Met	Arg	Lys	Leu	Arg	Ser		
	290					295					300						
Lys	Phe	Leu	Asn	Phe	Ser	Thr	Glu	Thr	Pro	Ser	Tyr	Ser	Leu				
305					310					315							

<210> 1944

<211> 309

<212> PRT

<213> Mus musculus

<400> 1944

Met	Asp	Tyr	Glu	Asn	Gly	Ser	Ala	Val	Thr	Glu	Phe	Ile	Leu	Val	Gly		
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Phe	Ser	Arg	Asp	Trp	Gln	Leu	Gln	Ile	Phe	Phe	Phe	Val	Thr	Phe	Thr		
			20					25					30				
Leu	Ile	Tyr	Gly	Ala	Thr	Val	Val	Gly	Asn	Ile	Leu	Ile	Ile	Val	Thr		
		35					40					45					
Val	Ala	Ala	Asn	Ser	Ala	Leu	His	Ser	Pro	Met	Tyr	Phe	Leu	Leu	Gly		
	50					55					60						
Asn	Leu	Ser	Phe	Leu	Asp	Met	Cys	Leu	Ser	Thr	Val	Thr	Thr	Pro	Lys		
65					70					75					80		
Met	Ile	Thr	Asp	Leu	Leu	Ala	Ala	His	Lys	Ser	Ile	Ser	Phe	Gln	Gly		
				85					90					95			

Cys	Met	Val	Gln	Met	Phe	Phe	Ser	His	Phe	Phe	Gly	Gly	Ala	Glu	Met
			100					105					110		
Thr	Leu	Leu	Ile	Val	Met	Ala	Phe	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys
		115					120					125			
Pro	Leu	His	Tyr	Arg	Ile	Ile	Met	Ser	His	Arg	Leu	Leu	Asn	Arg	Phe
	130					135					140				
Ile	Ile	Leu	Ser	Trp	Thr	Ile	Gly	Phe	Ile	His	Thr	Met	Ser	Gln	Met
145					150					155					160
Ala	Leu	Thr	Val	Asn	Leu	Pro	Phe	Cys	Gly	His	Asn	Ile	Ile	Asn	Asn
				165					170					175	
Ile	Phe	Cys	Asp	Leu	Pro	Leu	Val	Ile	Lys	Leu	Ala	Cys	Ile	Glu	Thr
			180					185					190		
Tyr	Thr	Leu	Glu	Leu	Phe	Val	Ile	Ala	Asp	Ser	Gly	Leu	Leu	Ser	Phe
		195					200					205			
Ile	Ser	Phe	Phe	Leu	Leu	Leu	Val	Ser	Tyr	Thr	Val	Ile	Leu	Leu	Ile
	210					215					220				
Val	Lys	His	Lys	Ser	Pro	Gly	Ser	Leu	Ser	Lys	Ala	Leu	Ser	Thr	Leu
225					230					235					240
Ser	Ala	His	Ile	Ile	Val	Val	Thr	Leu	Phe	Phe	Gly	Pro	Cys	Ile	Phe
				245					250					255	
Ile	Tyr	Ala	Trp	Pro	Phe	Gly	Ser	Phe	Ala	Ser	Asn	Thr	Thr	Leu	Ala
			260					265					270		
Val	Phe	Tyr	Thr	Val	Ile	Thr	Pro	Leu	Leu	Asn	Pro	Ile	Ile	Tyr	Thr
		275					280					285			
Leu	Arg	Asn	Gln	Glu	Met	Lys	Lys	Ala	Met	Arg	Lys	Leu	Trp	Asn	Gln
	290					295					300				
Gln	Val	Ser	Cys	Arg											
305															

<210> 1945

<211> 322

<212> PRT

<213> Mus musculus

<400> 1945

Met	Ala	Thr	Ser	Val	His	Arg	Asn	Gly	Ser	Leu	Thr	Pro	Val	Ser	Leu
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Gln	Gly	Phe	Val	Leu	Val	Gly	Phe	Gly	Gly	Ser	Ala	Glu	Thr	Gln	Ala
			20					25				30			
Leu	Leu	Phe	Ala	Val	Phe	Leu	Val	Leu	Tyr	Val	Val	Thr	Ile	Leu	Gly
		35					40					45			
Asn	Leu	Thr	Met	Ile	Met	Val	Ile	Thr	Leu	Asp	Ala	Arg	Leu	His	Ser
	50					55					60				
Pro	Met	Tyr	Phe	Phe	Leu	Lys	Asn	Leu	Ser	Phe	Val	Asp	Leu	Cys	Leu
65					70					75					80
Ser	Ser	Val	Ile	Ile	Pro	Asn	Ala	Leu	Ala	Asn	Ile	Phe	Ser	Ser	Ser
				85					90					95	
Lys	Thr	Ile	Ser	Phe	Ala	Gly	Cys	Ala	Thr	Gln	Phe	Phe	Phe	Phe	Ser
			100					105					110		
Leu	Leu	Ala	Ala	Thr	Glu	Ala	Val	Leu	Leu	Ala	Val	Met	Ala	Tyr	Asp
		115					120					125			
Arg	Phe	Met	Ala	Ile	Cys	Ser	Pro	Leu	Arg	Tyr	Pro	Val	Thr	Met	Cys
	130					135					140				
Pro	Met	Thr	Cys	Ala	Arg	Leu	Val	Leu	Gly	Thr	Phe	Cys	Val	Ala	Cys
145					150					155					160
Leu	Asn	Ser	Ile	Val	Gln	Thr	Ser	Leu	Thr	Phe	Gln	Leu	Pro	Phe	Cys
				165					170					175	
Ser	Ser	Asn	Tyr	Ile	Asp	Tyr	Phe	Phe	Cys	Asp	Val	Pro	Pro	Leu	Leu

Gln	Leu	Ala	Cys	Ala	Ser	Thr	Ala	Ile	Asn	Glu	Leu	Val	Met	Phe	Gly
		180						185					190		
Ile	Cys	Gly	Phe	Ile	Ile	Val	Cys	Ala	Val	Phe	Val	Val	Ile	Ile	Ser
	195						200					205			
Tyr	Gly	Tyr	Ile	Thr	Val	Thr	Ile	Leu	Arg	Met	Arg	Ser	Gly	Ser	Gly
225		210				215					220				
Arg	His	Lys	Val	Phe	Ser	Thr	Cys	Gly	Ser	His	Met	Thr	Ala	Val	Ser
				245					235						
Leu	Phe	Tyr	Gly	Thr	Gly	Phe	Val	Ile	Tyr	Gly	Gln	Pro	Gly	Gly	Val
			260					265					270		
Ala	Ser	Met	Glu	Gln	Gly	Lys	Val	Val	Ser	Thr	Ile	Tyr	Thr	Leu	Val
		275					280					285			
Ile	Pro	Met	Leu	Asn	Pro	Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val
	290					295					300				
Lys	Asp	Ala	Leu	Arg	Arg	Leu	Gly	Gln	Arg	His	Ser	Leu	Val	Lys	Glu
305					310					315					320
Ser	Gly														

<210> 1946

<211> 323

<212> PRT

<213> Mus musculus

<400> 1946

Met	Ala	Ile	Ala	Val	Tyr	Arg	Asn	Gly	Ser	Leu	Ser	Ala	Val	Ser	Leu
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Gln	Gly	Phe	Val	Leu	Val	Gly	Phe	Gly	Gly	Gly	Ala	Glu	Thr	Gln	Ala
			20					25					30		
Leu	Leu	Phe	Ala	Val	Phe	Leu	Val	Leu	Tyr	Val	Val	Thr	Ile	Leu	Gly
		35					40					45			
Asn	Leu	Thr	Met	Ile	Val	Val	Ile	Thr	Leu	Asp	Ala	Arg	Leu	His	Ser
	50					55					60				
Pro	Met	Tyr	Phe	Phe	Leu	Lys	Asn	Leu	Ser	Phe	Val	Asp	Leu	Cys	Tyr
65				70						75				80	
Ser	Ser	Ala	Ile	Ala	Pro	Asn	Ala	Leu	Ala	Asn	Phe	Leu	Ser	Thr	Ser
				85					90					95	
Lys	Val	Ile	Ser	Phe	Glu	Ala	Cys	Ala	Thr	Gln	Leu	Phe	Phe	Phe	Ser
			100					105					110		
Leu	Leu	Ala	Thr	Thr	Glu	Ala	Phe	Leu	Leu	Ala	Val	Met	Ala	Tyr	Asp
		115					120					125			
Arg	Phe	Met	Ala	Ile	Cys	Ser	Pro	Leu	Arg	Tyr	Pro	Val	Thr	Met	Cys
	130					135					140				
Pro	Thr	Thr	Cys	Thr	Arg	Leu	Val	Leu	Gly	Thr	Tyr	Cys	Gly	Gly	Cys
145					150					155					160
Leu	Asn	Ser	Ile	Val	Gln	Thr	Ser	Leu	Thr	Phe	Gln	Leu	Pro	Phe	Cys
				165					170					175	
Ser	Ser	Asn	Arg	Ile	Asp	His	Phe	Tyr	Cys	Asp	Val	Pro	Pro	Leu	Leu
			180					185					190		
Gln	Leu	Ala	Cys	Ala	Ser	Thr	Ala	Leu	Asn	Glu	Leu	Phe	Leu	Phe	Gly
		195					200					205			
Leu	Cys	Gly	Phe	Ile	Ile	Val	Ser	Thr	Thr	Leu	Ala	Val	Leu	Val	Ser
	210					215						220			
Tyr	Gly	Tyr	Ile	Thr	Val	Thr	Ile	Leu	Arg	Met	His	Ser	Gly	Ser	Gly
225					230					235					240
Arg	His	Lys	Val	Phe	Ser	Thr	Cys	Gly	Ser	His	Met	Met	Ala	Val	Ser
				245					250					255	

Leu	Phe	Tyr	Gly	Thr	Val	Phe	Val	Met	Tyr	Ala	Gln	Pro	Gly	Ala	Val
			260					265					270		
Ala	Ser	Met	Ala	Gln	Gly	Lys	Val	Ile	Ser	Val	Phe	Tyr	Thr	Leu	Val
		275					280					285			
Ile	Pro	Met	Leu	Asn	Pro	Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val
	290					295					300				
Lys	Asp	Ala	Leu	Arg	Arg	Leu	Gly	Gln	Arg	His	Ser	Leu	Val	Lys	Lys
305					310					315					320
Gly	Gly	Lys													

<210> 1947

<211> 316

<212> PRT

<213> Mus musculus

<400> 1947

Met	Met	Thr	Leu	Ser	Trp	Glu	Asn	Gln	Thr	Val	Ile	Val	Glu	Phe	Val
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Leu	Arg	Gly	Phe	Ser	Ser	Ile	Leu	Gln	Leu	Asn	Ile	Ser	Leu	Phe	Ile
		20						25					30		
Met	Phe	Cys	Ile	Phe	Tyr	Ile	Leu	Thr	Ile	Ser	Gly	Asn	Ile	Leu	Ile
		35					40					45			
Val	Phe	Leu	Val	Leu	Cys	Asn	His	Ala	Leu	His	Thr	Pro	Met	Tyr	Phe
	50					55					60				
Phe	Leu	Val	Asn	Leu	Ser	Phe	Leu	Glu	Val	Cys	Tyr	Thr	Ser	Asn	Ile
65					70					75				80	
Val	Pro	Lys	Met	Leu	Leu	Ile	Ile	Ile	Ala	Asp	Gln	Lys	Thr	Ile	Ser
				85					90					95	
Val	Val	Gly	Cys	Leu	Ala	Gln	Phe	Tyr	Phe	Phe	Gly	Ser	Leu	Ala	Ala
			100					105					110		
Thr	Glu	Cys	Leu	Leu	Leu	Ala	Val	Met	Ser	Tyr	Asp	Arg	Tyr	Leu	Ala
		115					120					125			
Ile	Cys	Gln	Pro	Leu	Arg	Tyr	Pro	Ile	Leu	Met	Thr	Gly	Ser	Leu	Cys
	130					135						140			
Phe	Arg	Leu	Ala	Ile	Gly	Ser	Trp	Phe	Cys	Cys	Phe	Phe	Leu	Thr	Ala
145					150					155					160
Ile	Thr	Met	Val	Leu	Cys	Arg	Gln	Asn	Phe	Cys	Gly	Pro	Asn	Glu	
				165					170					175	
Ile	Asp	His	Phe	Phe	Cys	Asp	Phe	Ala	Pro	Leu	Ile	His	Leu	Ser	Cys
			180					185					190		
Met	Asp	Thr	Ser	Leu	Ile	Glu	Thr	Val	Ala	Phe	Ala	Thr	Ser	Ser	Ala
		195						200					205		
Val	Thr	Leu	Val	Pro	Phe	Phe	Leu	Ile	Thr	Ile	Ser	Tyr	Ser	Cys	Ile
		210				215						220			
Leu	Ile	Ala	Ile	Leu	Arg	Ile	Pro	Ser	Gly	Thr	Gly	Arg	Lys	Lys	Ala
225					230						235				240
Phe	Ser	Thr	Cys	Ser	Ser	His	Leu	Thr	Val	Val	Thr	Val	Phe	Tyr	Gly
				245					250					255	
Thr	Leu	Ile	Ala	Thr	Tyr	Leu	Val	Pro	Ser	Ala	Asn	Ser	Ser	Gln	Tyr
			260					265					270		
Leu	Arg	Lys	Gly	Phe	Ser	Leu	Leu	Tyr	Thr	Ile	Leu	Thr	Pro	Met	Phe
		275					280					285			
Asn	Pro	Ile	Ile	Tyr	Ser	Leu	Arg	Asn	Arg	Asp	Ile	His	Glu	Ala	Leu
	290					295					300				
Lys	Lys	Cys	Leu	Ser	Lys	Lys	Ser	Asp	Phe	Leu	Ile				
305					310					315					

<210> 1948
 <211> 312
 <212> PRT
 <213> Mus musculus

<400> 1948
 Met Val Glu Asn Phe Asn Ala Ser Trp Glu Gly Tyr Phe Ile Phe Leu
 1 5 10 15
 Gly Phe Ser Lys Trp Pro His Leu Glu Val Val Leu Phe Val Val Ile
 20 25 30
 Leu Ile Phe Tyr Met Met Thr Leu Met Gly Asn Leu Phe Ile Ile Ile
 35 40 45
 Leu Ser His Leu Asp Ser His Leu His Thr Pro Met Tyr Phe Phe Leu
 50 55 60
 Ser Asn Leu Ser Ala Leu Asp Leu Cys Tyr Thr Thr Ser Ser Val Pro
 65 70 75 80
 Gln Leu Leu Phe Asn Leu Trp Gly Pro Lys Lys Thr Ile Ser Tyr Ala
 85 90 95
 Gly Cys Met Leu Gln Leu Tyr Phe Val Leu Ala Leu Gly Thr Thr Glu
 100 105 110
 Cys Val Leu Leu Val Val Met Ser Tyr Asp Arg Tyr Val Ala Val Cys
 115 120 125
 Lys Pro Leu His Tyr Ser Val Leu Met Asn Pro Arg Phe Cys Gln Leu
 130 135 140
 Leu Ala Ala Ala Ser Trp Val Cys Gly Phe Thr Thr Ser Ala Leu His
 145 150 155 160
 Ser Ser Phe Thr Phe Trp Val Pro Leu Cys Gly His Arg Lys Val Asp
 165 170 175
 His Phe Phe Cys Glu Val Pro Ala Leu Leu Gln Leu Ser Cys Val Asp
 180 185 190
 Ile His Ala Asn Glu Met Thr Leu Met Val Met Ser Ala Ile Phe Val
 195 200 205
 Val Ile Pro Leu Ile Leu Ile Leu Ser Ser Tyr Ala Ala Ile Ala Trp
 210 215 220
 Thr Val Leu Glu Met Gln Ser Thr Thr Arg Leu Gln Lys Val Phe Gly
 225 230 235 240
 Thr Cys Gly Ala His Leu Thr Val Val Ser Leu Phe Phe Ile Pro Ile
 245 250 255
 Met Cys Ile Tyr Leu Gln Pro Ser Thr Lys Ser Ser Gln Asp His Ala
 260 265 270
 Lys Phe Ile Ala Leu Phe Tyr Thr Val Val Thr Pro Ser Leu Asn Pro
 275 280 285
 Leu Ile Tyr Thr Leu Arg Asn Lys Asp Val Arg Gly Ala Ile Arg Arg
 290 295 300
 Leu Ser Arg Tyr Glu Arg Glu Lys
 305 310

<210> 1949
 <211> 317
 <212> PRT
 <213> Mus musculus

<400> 1949
 Met Thr Ile Asn Lys Ser Ser Gly Gly Asp Phe Ile Leu Val Gly Phe
 1 5 10 15
 Ser Asp Gln Pro Gln Leu Glu Lys Ile Leu Phe Val Leu Val Leu Ile
 20 25 30

Ser	Tyr	Leu	Leu	Thr	Leu	Val	Gly	Asn	Thr	Ala	Ile	Ile	Leu	Val	Ser
		35					40					45			
Cys	Leu	Asp	Ser	Ala	Leu	Gln	Thr	Pro	Met	Tyr	Tyr	Phe	Leu	Thr	Asn
	50					55					60				
Leu	Ser	Phe	Val	Asp	Ile	Cys	Phe	Ser	Thr	Ser	Ile	Val	Pro	Gln	Leu
65					70					75					80
Leu	Trp	Asn	Leu	His	Gly	Pro	Ala	Lys	Thr	Ile	Thr	Ala	Thr	Gly	Cys
				85					90					95	
Ala	Ile	Gln	Leu	Tyr	Val	Ser	Leu	Ala	Leu	Gly	Ser	Thr	Glu	Cys	Val
			100					105					110		
Leu	Leu	Ala	Val	Met	Ala	Phe	Asp	Arg	Tyr	Ala	Ala	Val	Cys	Arg	Pro
		115					120					125			
Leu	His	Tyr	Ala	Thr	Val	Met	His	Pro	Arg	Leu	Cys	Gln	Ser	Leu	Ala
	130					135					140				
Gly	Val	Ala	Trp	Leu	Ser	Gly	Val	Gly	Asn	Thr	Leu	Ile	Gln	Gly	Thr
145					150					155					160
Ile	Thr	Leu	Arg	Leu	Pro	Arg	Cys	Gly	Asn	His	Lys	Ile	Tyr	His	Phe
				165					170					175	
Ile	Cys	Glu	Val	Pro	Ala	Met	Ile	Lys	Leu	Ala	Cys	Val	Asp	Ile	His
			180					185					190		
Ala	Asn	Glu	Val	Gln	Leu	Phe	Met	Ala	Ser	Leu	Val	Leu	Leu	Leu	Leu
		195					200					205			
Pro	Leu	Thr	Leu	Ile	Leu	Val	Ser	Tyr	Gly	Tyr	Ile	Ala	Gln	Ala	Leu
	210					215					220				
Met	Arg	Leu	Arg	Ser	Ala	Leu	Thr	Trp	Gly	Lys	Ala	Leu	Gly	Thr	Cys
225					230					235					240
Gly	Ser	His	Met	Leu	Val	Val	Val	Leu	Phe	Tyr	Gly	Thr	Ile	Thr	Ala
				245					250					255	
Ile	Tyr	Ile	Gln	Pro	Asn	Ser	Ser	Tyr	Ala	His	Ser	Gln	Gly	Lys	Phe
			260					265					270		
Ile	Thr	Leu	Tyr	Thr	Val	Val	Ile	Pro	Thr	Leu	Asn	Pro	Leu	Ile	
		275					280				285				
Tyr	Thr	Leu	Arg	Asn	Lys	Asp	Val	Lys	Gly	Ala	Leu	Lys	Arg	Leu	Val
	290					295					300				
Arg	Lys	Asn	Asn	Ser	Thr	Gly	Lys	Lys	Ile	Leu	Ser	Arg			
305					310					315					

<210> 1950

<211> 306

<212> PRT

<213> Mus musculus

<400> 1950

Met	Glu	Val	Asn	Arg	Thr	Leu	Val	Thr	Ala	Phe	Ile	Leu	Arg	Gly	Ile
1				5					10					15	
Thr	Asp	Leu	Pro	Glu	Leu	Gln	Val	Pro	Met	Phe	Leu	Val	Phe	Phe	Phe
			20					25					30		
Ile	Tyr	Val	Thr	Thr	Met	Val	Gly	Asn	Leu	Gly	Leu	Ile	Val	Leu	Ile
		35					40					45			
Trp	Lys	Asp	Pro	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Gly	Ser
	50					55				60					
Leu	Ala	Phe	Ala	Asp	Ala	Cys	Thr	Ser	Ser	Ser	Val	Thr	Pro	Arg	Met
65					70					75					80
Leu	Val	Asn	Ile	Leu	Asp	Asn	Gly	Lys	Met	Ile	Ser	Leu	Ser	Glu	Cys
				85					90					95	
Met	Ala	Gln	Tyr	Tyr	Val	Phe	Gly	Ser	Ser	Ala	Thr	Thr	Glu	Cys	Phe
			100					105					110		
Leu	Leu	Val	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asn	Pro

115	120	125
Leu Leu Tyr Leu Val Val Met Ser Asn Arg Val Cys Thr Cys Leu Ile		
130	135	140
Ser Gly Ser Tyr Ile Ile Gly Phe Leu His Pro Leu Ile His Val Gly		
145	150	155
Leu Leu Phe Arg Leu Thr Phe Cys Lys Ser Asn Ile Ile Asp His Phe		
165	170	175
Tyr Cys Glu Ile Leu Pro Leu Tyr Thr Ile Ser Cys Thr Asp Pro Ser		
180	185	190
Ile Asn Ala Phe Val Val Phe Ile Phe Ala Ala Val Ile Gln Ala Val		
195	200	205
Thr Phe Met Ser Ile Ala Val Ser Tyr Ala His Val Leu Phe Ser Ile		
210	215	220
Leu Lys Thr Lys Ser Glu Lys Gly Arg Arg Lys Ala Phe Ser Thr Cys		
225	230	235
Ser Ala His Leu Leu Ser Val Ser Leu Phe Tyr Gly Thr Leu Phe Phe		
245	250	255
Met Tyr Val Ser Pro Gly Ser Gly Pro Ser Lys Tyr Lys Asn Lys Met		
260	265	270
Tyr Ser Leu Phe Tyr Thr Ile Val Ile Pro Leu Leu Asn Pro Phe Ile		
275	280	285
Tyr Ser Leu Arg Asn Lys Glu Val Leu Gly Ala Leu Arg Lys Ile Met		
290	295	300
Lys Pro		
305		

<210> 1951

<211> 309

<212> PRT

<213> Mus musculus

<400> 1951

Met Glu Lys Lys Asn Glu Thr Leu Trp Thr Glu Phe Val Leu Thr Gly	
1	5
Leu Thr Cys Leu Pro Gln Trp Lys Pro Leu Leu Phe Leu Val Phe Leu	
20	25
Val Ile Tyr Phe Met Thr Ile Val Gly Asn Leu Gly Leu Ile Thr Leu	
35	40
Ile Trp Asn Asp Pro His Leu His Ile Pro Met Tyr Leu Phe Leu Ser	
50	55
Asn Leu Ala Phe Val Asp Thr Trp Leu Ser Ser Thr Val Thr Pro Arg	
65	70
Met Leu Phe Asn Leu Leu Asp Lys Gly Lys Val Ile Ser Val Ala Glu	
85	90
Cys Lys Thr Gln Phe Phe Ser Phe Ala Ile Ser Val Thr Thr Glu Cys	
100	105
Phe Leu Leu Ala Ala Met Ala Tyr Asp Arg Tyr Ala Ala Ile Cys Asn	
115	120
Pro Leu Leu Tyr Pro Val Ile Met Thr Asn Arg Leu Cys Val Arg Leu	
130	135
Leu Ala Leu Ser Phe Ile Gly Gly Phe Leu His Ala Val Ile His Glu	
145	150
Ser Phe Leu Ser Arg Leu Thr Phe Cys Asn Ser Asn Ile Ile Tyr His	
165	170
Phe Tyr Cys Asp Val Ile Pro Leu Leu Lys Ile Ser Cys Thr Asp Pro	
180	185
Ser Leu Asn Tyr Leu Ile Ile Phe Ile Phe Ser Gly Ser Ile Gln Val	
195	200
	205

Phe	Thr	Ile	Met	Thr	Val	Leu	Ile	Ser	Tyr	Thr	Phe	Val	Leu	Phe	Thr
	210					215					220				
Ile	Leu	Lys	Lys	Lys	Ser	Asp	Lys	Gly	Ile	Arg	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Gly	Ala	His	Leu	Leu	Ser	Val	Ser	Leu	Tyr	Tyr	Gly	Pro	Leu	Leu
				245					250					255	
Phe	Met	Tyr	Val	His	Pro	Ala	Ser	Ser	Glu	Val	Asp	Asp	Gln	Asp	Met
			260					265					270		
Ile	Leu	Ser	Leu	Phe	Tyr	Thr	Val	Ile	Ile	Pro	Val	Leu	Asn	Pro	Ile
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Gln	Val	Ile	Asp	Ser	Leu	Lys	Lys	Met
	290					295					300				
Leu	Lys	Met	Met	Val											
305															

<210> 1952

<211> 309

<212> PRT

<213> Mus musculus

<400> 1952

Met	Gly	Thr	Glu	Asn	Thr	Thr	Leu	Leu	Thr	Glu	Phe	Val	Leu	Thr	Gly
1				5					10					15	
Leu	Ser	His	Gln	Pro	Gln	Trp	Lys	Ile	Pro	Leu	Phe	Leu	Leu	Phe	Leu
			20				25					30			
Val	Ile	Tyr	Leu	Ile	Thr	Ile	Val	Gly	Asn	Leu	Gly	Leu	Ile	Ile	Leu
		35				40					45				
Ile	Trp	Asn	Asp	Pro	Arg	Leu	Gln	Ile	Pro	Met	Tyr	Leu	Phe	Leu	Gly
	50					55				60					
Cys	Leu	Ala	Leu	Val	Asp	Thr	Leu	Leu	Ser	Ser	Thr	Val	Thr	Pro	Lys
65					70					75					80
Met	Leu	Leu	Thr	Phe	Thr	Ala	Lys	Ser	Lys	Leu	Ile	Ser	Leu	Ser	Glu
				85					90					95	
Cys	Met	Ile	Gln	Phe	Phe	Ser	Phe	Val	Met	Cys	Ala	Thr	Met	Glu	Cys
			100					105					110		
Phe	Leu	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Ala	Ala	Ile	Cys	Lys
		115					120					125			
Pro	Leu	Leu	Tyr	Pro	Val	Ile	Met	Thr	Asn	Arg	Leu	Cys	Val	Arg	Leu
		130				135					140				
Leu	Val	Leu	Thr	Phe	Val	Thr	Gly	Ile	Leu	His	Ala	Ser	Ile	His	Glu
145					150					155					160
Gly	Met	Leu	Cys	Arg	Leu	Thr	Phe	Cys	Asn	Ser	Asn	Val	Ile	His	His
				165					170					175	
Phe	Tyr	Cys	Asp	Val	Met	Pro	Leu	Leu	Lys	Ile	Ser	Cys	Thr	Asp	Pro
			180					185					190		
Ser	Leu	Asn	Tyr	Leu	Ile	Val	Phe	Ile	Phe	Ser	Gly	Ser	Ile	Gln	Val
		195					200					205			
Phe	Thr	Ile	Ser	Thr	Ile	Leu	Gly	Ser	Tyr	Thr	Leu	Val	Leu	Phe	Thr
		210				215					220				
Ile	Leu	Lys	Lys	Lys	Ser	Ala	Lys	Gly	Ile	Lys	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Gly	Ala	His	Leu	Leu	Ser	Val	Cys	Leu	Tyr	Tyr	Gly	Ser	Leu	Leu
				245					250					255	
Phe	Met	Tyr	Leu	Pro	Ala	Ser	Gln	Lys	Ala	Gln	Asp	Glu	Asp	Met	
			260				265					270			
Met	Asp	Ser	Val	Phe	Tyr	Thr	Val	Ile	Ile	Pro	Val	Met	Asn	Pro	Ile
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Gln	Ile	Lys	Asp	Ser	Leu	Glu	Lys	Phe

290
Leu Lys Arg Asn Val
305

295

300

<210> 1953
<211> 313
<212> PRT
<213> Mus musculus

<400> 1953
Met Ala Asn Ser Thr Thr Val Thr Glu Phe Ile Leu Leu Gly Leu Ser
1 5 10 15
Asp Ala Cys Glu Leu Gln Val Leu Ile Phe Leu Gly Phe Leu Leu Thr
20 25 30
Tyr Phe Leu Ile Leu Leu Gly Asn Phe Leu Ile Ile Phe Ile Thr Leu
35 40 45
Ala Asp Arg Arg Leu Tyr Thr Pro Met Tyr Tyr Phe Leu Arg Asn Phe
50 55 60
Ala Met Leu Glu Ile Trp Phe Thr Ser Val Ile Phe Pro Lys Met Leu
65 70 75 80
Thr Asn Ile Ile Thr Gly His Lys Thr Ile Ser Leu Leu Gly Cys Phe
85 90 95
Leu Gln Ala Phe Leu Tyr Phe Phe Leu Gly Thr Thr Glu Phe Phe Leu
100 105 110
Leu Ala Val Met Ser Phe Asp Arg Tyr Val Ala Ile Cys Asn Pro Leu
115 120 125
Arg Tyr Ala Thr Ile Met Ser Lys Arg Val Cys Val Gln Leu Val Phe
130 135 140
Cys Ser Trp Met Ser Gly Leu Leu Leu Ile Ile Val Pro Ser Ser Ile
145 150 155 160
Val Phe Gln Gln Pro Phe Cys Gly Pro Asn Ile Ile Asn His Phe Phe
165 170 175
Cys Asp Asn Phe Pro Leu Met Glu Leu Ile Cys Ala Asp Thr Ser Leu
180 185 190
Val Glu Phe Leu Gly Phe Val Ile Ala Asn Phe Ser Leu Leu Gly Thr
195 200 205
Leu Ala Val Thr Ala Thr Cys Tyr Gly His Ile Leu Tyr Thr Ile Leu
210 215 220
His Ile Pro Ser Ala Lys Glu Arg Lys Lys Ala Phe Ser Thr Cys Ser
225 230 235 240
Ser His Ile Ile Val Val Ser Leu Phe Tyr Gly Ser Cys Ile Phe Met
245 250 255
Tyr Val Arg Ser Gly Lys Asn Gly Gln Gly Glu Asp His Asn Lys Val
260 265 270
Val Ala Leu Leu Asn Thr Val Val Thr Pro Thr Leu Asn Pro Phe Ile
275 280 285
Tyr Thr Leu Arg Asn Lys Gln Val Lys Gln Val Phe Arg Glu His Val
290 295 300
Ser Lys Phe Gln Lys Phe Ser Gln Thr
305 310

<210> 1954
<211> 309
<212> PRT
<213> Mus musculus

<400> 1954

Met	Ala	Val	Gly	Asn	Ser	Ser	Ser	Val	Lys	Glu	Phe	Ile	Leu	Leu	Gly
1				5					10					15	
Leu	Thr	Gln	Glu	Pro	Glu	Leu	Gln	Leu	Pro	Leu	Phe	Phe	Leu	Phe	Leu
		20						25					30		
Gly	Ile	Tyr	Val	Val	Ser	Val	Met	Gly	Asn	Leu	Gly	Leu	Ile	Val	Leu
		35					40					45			
Ile	Val	Leu	Asn	Pro	Pro	Leu	His	Thr	Pro	Met	Tyr	Tyr	Phe	Leu	Phe
	50					55					60				
Asn	Leu	Ser	Phe	Thr	Asp	Leu	Cys	Tyr	Ser	Thr	Val	Ile	Thr	Pro	Arg
65					70					75					80
Met	Leu	Val	Gly	Phe	Val	Lys	Gln	Asn	Thr	Ile	Ser	His	Ala	Glu	Cys
				85					90					95	
Met	Thr	Gln	Leu	Phe	Phe	Phe	Cys	Phe	Phe	Val	Ile	Asp	Glu	Cys	Tyr
		100						105					110		
Ile	Leu	Thr	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Ala	Ala	Ile	Cys	Lys	Pro
		115					120					125			
Leu	Leu	Tyr	Gln	Val	Thr	Met	Ser	His	Gln	Val	Cys	Leu	Leu	Met	Thr
	130					135					140				
Val	Gly	Met	Tyr	Val	Met	Gly	Leu	Val	Gly	Ala	Ile	Ala	His	Ile	Val
145					150					155					160
Cys	Met	Leu	Arg	Leu	Thr	Phe	Cys	Glu	Gly	His	Ile	Ile	Asn	His	Tyr
				165					170					175	
Met	Cys	Asp	Ile	Pro	Pro	Leu	Leu	Lys	Leu	Ser	Cys	Thr	Ser	Thr	Tyr
		180						185					190		
Ile	Asn	Glu	Leu	Val	Val	Phe	Ile	Val	Val	Gly	Val	Asn	Val	Ile	Val
		195					200					205			
Pro	Thr	Leu	Thr	Ile	Phe	Ile	Thr	Tyr	Thr	Leu	Ile	Leu	Ser	Asn	Ile
	210					215					220				
Leu	Ser	Ile	His	Ser	Ala	Glu	Gly	Arg	Ser	Lys	Ala	Phe	Ser	Thr	Cys
225					230					235					240
Gly	Ser	His	Val	Ile	Ala	Val	Ser	Leu	Phe	Phe	Gly	Ala	Ala	Ala	Phe
				245					250					255	
Met	Tyr	Leu	Lys	Pro	Ser	Ser	Ala	Ser	Val	Asp	Glu	Glu	Lys	Leu	Ser
			260					265					270		
Thr	Ile	Phe	Tyr	Thr	Ile	Val	Gly	Pro	Met	Leu	Asn	Pro	Phe	Ile	Tyr
		275					280					285			
Ser	Ile	Arg	Asn	Lys	Asp	Val	His	Ile	Ala	Leu	Arg	Lys	Thr	Leu	Lys
	290					295					300				
Lys	Ser	Met	Phe	Thr											
305															

<210> 1955

<211> 314

<212> PRT

<213> Mus musculus

<400> 1955

Met	Thr	Leu	Glu	Arg	Met	Ala	Phe	Ser	Asn	Asp	Ser	Ser	Val	Lys	Glu
1				5					10					15	
Phe	Ile	Leu	Leu	Gly	Leu	Thr	Gln	Gln	Pro	Glu	Leu	Gln	Met	Pro	Leu
			20					25					30		
Phe	Phe	Leu	Phe	Leu	Gly	Ile	Tyr	Val	Val	Ser	Met	Val	Gly	Asn	Leu
		35					40					45			
Gly	Leu	Ile	Val	Leu	Ile	Val	Leu	Asn	Pro	His	Leu	His	Thr	Pro	Met
	50					55					60				
Tyr	Tyr	Phe	Leu	Phe	Asn	Leu	Ser	Phe	Ile	Asp	Phe	Cys	Tyr	Ser	Ser
65					70					75					80
Val	Ile	Thr	Pro	Lys	Met	Leu	Val	Gly	Phe	Val	Lys	Gln	Asn	Ile	Ile

				85					90					95			
Ser	His	Ala	Glu	Cys	Met	Thr	Gln	Leu	Phe	Phe	Phe	Ser	Phe	Phe	Val		
			100					105					110				
Ile	Asp	Glu	Cys	Tyr	Ile	Leu	Thr	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Ala		
		115					120					125					
Ala	Ile	Cys	Lys	Pro	Leu	Leu	Tyr	Gln	Val	Thr	Met	Ser	Tyr	Gln	Val		
		130					135					140					
Cys	Leu	Leu	Met	Thr	Gly	Gly	Met	Tyr	Val	Met	Gly	Leu	Val	Gly	Ala		
145					150					155					160		
Ile	Ala	His	Ile	Val	Cys	Met	Leu	Arg	Leu	Thr	Phe	Cys	Glu	Gly	Tyr		
				165					170					175			
Ile	Ile	Asn	His	Tyr	Met	Cys	Asp	Ile	Pro	Pro	Leu	Leu	Lys	Leu	Ser		
		180						185					190				
Cys	Thr	Ser	Thr	Tyr	Ile	Asn	Glu	Leu	Val	Val	Phe	Ile	Val	Val	Gly		
		195					200					205					
Val	Asn	Val	Ile	Val	Pro	Thr	Leu	Thr	Ile	Phe	Ile	Ser	Tyr	Thr	Leu		
	210					215					220						
Ile	Leu	Ser	Asn	Ile	Leu	Ser	Ile	His	Ser	Ala	Glu	Gly	Arg	Ser	Lys		
225					230				235						240		
Ala	Phe	Arg	Thr	Cys	Gly	Ser	His	Phe	Ile	Ala	Val	Ser	Leu	Phe	Tyr		
				245					250					255			
Gly	Ala	Ser	Ala	Phe	Met	Tyr	Leu	Lys	Pro	Ser	Ser	Ala	Ser	Val	Asp		
			260					265					270				
Asp	Asp	Lys	Ile	Ser	Thr	Ile	Phe	Tyr	Ile	Ile	Val	Gly	Pro	Met	Leu		
		275					280					285					
Asn	Pro	Phe	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	His	Ile	Ala	Leu		
	290					295					300						
Arg	Lys	Thr	Leu	Lys	Lys	Ser	Thr	Phe	Ile								
305					310												

<210> 1956

<211> 313

<212> PRT

<213> Mus musculus

<400> 1956

Met	Lys	Gln	Met	Ala	Thr	Glu	Asn	Asp	Ser	Ser	Val	Ser	Glu	Phe	Ile		
1				5					10					15			
Leu	Leu	Gly	Leu	Thr	Asp	Gln	Pro	Glu	Leu	Gln	Leu	Pro	Leu	Phe	Ala		
			20					25					30				
Leu	Phe	Leu	Leu	Asn	Tyr	Thr	Ala	Thr	Met	Val	Gly	Asn	Leu	Thr	Leu		
		35					40					45					
Met	Ser	Leu	Ile	Leu	Val	His	Ser	Asn	Leu	His	Thr	Pro	Met	Tyr	Phe		
	50					55					60						
Phe	Ile	Phe	Asn	Leu	Ser	Phe	Ile	Asp	Phe	Cys	Tyr	Ser	Phe	Val	Phe		
65				70					75						80		
Thr	Pro	Lys	Met	Leu	Met	Lys	Phe	Phe	Leu	Glu	Lys	Asn	Thr	Ile	Ser		
			85						90					95			
Phe	Lys	Gly	Cys	Met	Thr	Gln	Leu	Phe	Phe	Phe	Cys	Phe	Phe	Val	Asn		
			100					105					110				
Thr	Glu	Ser	Tyr	Val	Leu	Thr	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala		
	115						120					125					
Ile	Cys	Lys	Pro	Leu	Leu	Tyr	Gln	Ala	Ile	Met	Leu	Pro	Arg	Ile	Cys		
	130					135					140						
Cys	Leu	Leu	Met	Phe	Met	Ser	Tyr	Leu	Met	Gly	Phe	Val	Ser	Ala	Met		
145					150					155					160		
Ile	Leu	Thr	Gly	Leu	Met	Phe	Arg	Leu	Asn	Phe	Cys	Asn	Ser	Asn	Ile		
				165					170						175		

Ile	Asn	His	Tyr	Met	Cys	Asp	Ile	Phe	Pro	Leu	Leu	Gln	Ile	Ser	Cys	
			180					185					190			
Ser	Asp	Thr	Tyr	Leu	Asn	Glu	His	Val	Ser	Ser	Ala	Val	Val	Gly	Thr	
		195					200					205				
Ala	Ile	Ile	Leu	Cys	Ser	Leu	Leu	Ile	Leu	Met	Ser	Tyr	Ala	Leu	Ile	
	210					215					220					
Leu	Phe	Asn	Ile	Leu	Asn	Met	Ser	Ser	Gly	Lys	Gly	Trp	Ser	Lys	Ala	
225					230					235					240	
Leu	Gly	Thr	Cys	Gly	Ser	His	Ile	Ile	Thr	Ala	Ser	Leu	Phe	Tyr	Gly	
			245						250					255		
Ser	Gly	Leu	Leu	Ala	Tyr	Val	Lys	Pro	Ser	Ser	Pro	Glu	Thr	Val	Gly	
			260					265					270			
Gln	Gly	Lys	Phe	Leu	Thr	Val	Phe	Tyr	Thr	Cys	Leu	Val	Pro	Val	Leu	
	275						280					285				
Asn	Pro	Leu	Ile	Tyr	Ser	Leu	Pro	Asn	Lys	Asp	Val	Lys	Ile	Ala	Met	
	290					295					300					
Lys	Lys	Thr	Leu	Lys	Arg	Ile	Thr	Ser								
305					310											

<210> 1957

<211> 331

<212> PRT

<213> Mus musculus

<400> 1957

Met	Leu	Leu	Gln	Met	Gln	His	Met	Lys	Gln	Met	Asn	Met	Glu	Asn	Asp	
1				5					10					15		
Ser	Ser	Val	Ser	Glu	Phe	Ile	Leu	Met	Gly	Leu	Thr	Tyr	Gln	Pro	Glu	
		20						25					30			
Leu	Arg	Trp	Pro	Leu	Phe	Val	Leu	Phe	Leu	Val	Asn	Tyr	Ser	Ala	Thr	
	35						40					45				
Val	Met	Gly	Asn	Leu	Ser	Leu	Met	Thr	Leu	Ile	Phe	Leu	Asn	Ser	His	
	50					55					60					
Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Ile	Leu	Asn	Leu	Ser	Phe	Ile	Asp	
65					70					75					80	
Phe	Cys	Tyr	Ser	Phe	Asp	Phe	Thr	Pro	Lys	Met	Leu	Met	Gly	Phe	Val	
			85						90					95		
Ser	Glu	His	Asn	Thr	Ile	Ser	Phe	Thr	Gly	Cys	Met	Thr	Gln	Leu	Phe	
			100					105					110			
Phe	Phe	Cys	Leu	Phe	Val	Asn	Ser	Glu	Cys	Tyr	Val	Leu	Thr	Ala	Met	
		115					120					125				
Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Arg	Pro	Leu	Leu	Tyr	Thr	Val	
	130					135					140					
Val	Met	Ser	Pro	Arg	Ala	Cys	Ser	Leu	Leu	Met	Leu	Ala	Ala	His	Leu	
145					150					155					160	
Met	Gly	Val	Ser	Ser	Ala	Ile	Val	His	Thr	Gly	Cys	Ile	Ile	Gln	Leu	
			165						170					175		
Arg	Phe	Cys	Gly	Ser	Lys	Val	Ile	Asn	His	Tyr	Met	Cys	Asp	Thr	Phe	
			180					185					190			
Pro	Leu	Leu	Glu	Leu	Ser	Cys	Gly	Ser	Ser	His	Val	Asn	Glu	Leu	Val	
		195					200					205				
Ser	Ser	Val	Ser	Val	Ala	Val	Val	Val	Val	Ile	Ser	Ser	Leu	Ile	Ile	
	210					215					220					
Val	Ser	Ser	Tyr	Ala	Leu	Ile	Leu	Val	Asn	Val	Met	His	Leu	Ser	Ser	
225					230					235					240	
Ser	Lys	Gly	Trp	Ser	Lys	Ala	Val	Ser	Thr	Cys	Ser	Ser	His	Ile	Ile	
			245						250					255		
Thr	Val	Ala	Leu	Phe	Tyr	Gly	Phe	Gly	Leu	Leu	Ala	His	Ile	Lys	Pro	

			260					265					270				
Ser	Ser	Ala	Glu	Ser	Val	Val	Glu	Arg	Lys	Phe	Phe	Ser	Val	Val	Tyr		
		275					280					285					
Thr	Phe	Val	Leu	Pro	Leu	Leu	Asn	Pro	Leu	Ile	Tyr	Ser	Leu	Arg	Asn		
	290					295					300						
Lys	Asp	Val	Lys	Leu	Ala	Leu	Lys	Arg	Thr	Leu	Lys	Arg	Val	Thr	Ile		
305					310					315					320		
Gln	Gly	Lys	Cys	Leu	Cys	Cys	Ser	His	Lys	Ser							
			325						330								

<210> 1958

<211> 316

<212> PRT

<213> Mus musculus

<400> 1958

Met	Ala	Thr	Gly	Asn	His	Tyr	Ser	Val	Thr	Glu	Phe	Ile	Leu	Thr	Gly		
1				5					10					15			
Leu	Thr	Glu	Gln	Pro	Glu	Leu	Gln	Met	Pro	Leu	Phe	Phe	Leu	Phe	Leu		
			20				25						30				
Val	Asn	Cys	Leu	Ile	Thr	Val	Val	Gly	Asn	Leu	Ser	Leu	Met	Ser	Leu		
		35					40					45					
Ile	Cys	Cys	Asn	Ser	Asn	Leu	Gln	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Phe		
	50					55					60						
Asn	Leu	Ser	Phe	Ile	Asp	Phe	Cys	Tyr	Ser	Phe	Ala	Phe	Thr	Pro	Lys		
65					70				75						80		
Thr	Leu	Met	Ser	Phe	Val	Leu	Glu	Lys	Asn	Ile	Ile	Tyr	Phe	Thr	Gly		
			85						90					95			
Cys	Met	Thr	Gln	Leu	Phe	Phe	Met	Cys	Leu	Phe	Ala	Asn	Ser	Glu	Cys		
			100					105					110				
Tyr	Leu	Val	Thr	Ala	Met	Asp	Tyr	Asp	His	Tyr	Val	Ala	Ile	Cys	Gln		
		115				120						125					
Pro	Leu	Leu	Tyr	Met	Ile	Ile	Thr	Ser	Pro	Met	Thr	Cys	Ser	Leu	Met		
	130					135					140						
Met	Phe	Gly	Ser	Tyr	Leu	Met	Gly	Gly	Ile	Gly	Ala	Ile	Val	His	Thr		
145					150				155						160		
Gly	Cys	Met	Ile	Arg	Leu	Asn	Phe	Cys	Gly	Ser	Asn	Ile	Ile	Asn	His		
			165						170					175			
Tyr	Met	Tyr	Asp	Ile	Phe	Pro	Leu	Leu	Gln	Leu	Ser	Cys	Ser	Ser	Ile		
			180					185					190				
Tyr	Ala	Asn	Glu	Leu	Val	Ser	Ser	Val	Phe	Val	Ser	Thr	Val	Val	Leu		
		195					200					205					
Ala	Ser	Ser	Phe	Leu	Ile	Leu	Thr	Ser	Tyr	Ala	Leu	Ile	Leu	Phe	Asn		
	210					215					220						
Ile	Thr	Gln	Leu	Ser	Gly	Lys	Gly	Leu	Ser	Lys	Ala	Met	Ser	Thr	Cys		
225					230					235					240		
Ser	Ser	His	Ile	Met	Thr	Val	Val	Leu	Phe	Tyr	Gly	Phe	Ala	Met	Leu		
			245						250					255			
Thr	His	Val	Lys	Thr	Ser	Ser	Asp	Glu	Ser	Val	Asn	Gln	Gly	Asn	Phe		
			260				265						270				
Phe	Cys	Leu	Phe	Cys	Thr	Phe	Leu	Val	Pro	Leu	Leu	Asn	Pro	Phe	Ile		
	275					280						285					
Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Lys	Leu	Ala	Leu	Lys	Arg	Thr	Leu		
	290					295					300						
Arg	Arg	Leu	Thr	Val	Ser	Glu	Ser	Leu	Gly	Leu	Pro						
305					310					315							

<210> 1959
 <211> 312
 <212> PRT
 <213> Mus musculus

<400> 1959

Met	Val	Asn	Gln	Ser	Ser	Pro	Val	Gly	Phe	Leu	Leu	Leu	Gly	Phe	Ser
1				5					10					15	
Glu	His	Pro	Gln	Leu	Glu	Lys	Val	Leu	Phe	Val	Ile	Val	Leu	Cys	Ser
			20					25					30		
Tyr	Leu	Leu	Thr	Leu	Leu	Gly	Asn	Thr	Leu	Ile	Leu	Leu	Leu	Ser	Thr
			35				40						45		
Leu	Asp	Pro	Arg	Leu	His	Ser	Pro	Met	Tyr	Phe	Phe	Leu	Ser	Asn	Leu
	50					55					60				
Ser	Phe	Leu	Asp	Leu	Cys	Phe	Thr	Thr	Thr	Cys	Val	Pro	Gln	Met	Leu
65					70					75					80
Phe	Asn	Leu	Trp	Gly	Pro	Ala	Lys	Thr	Ile	Ser	Phe	Leu	Gly	Cys	Ser
				85					90					95	
Val	Gln	Leu	Phe	Ile	Phe	Leu	Ser	Leu	Gly	Thr	Thr	Glu	Cys	Ile	Leu
			100					105					110		
Leu	Thr	Val	Met	Ser	Phe	Asp	Arg	Tyr	Val	Ala	Val	Cys	Gln	Pro	Leu
		115					120					125			
His	Tyr	Ala	Thr	Val	Ile	His	Pro	Arg	Leu	Cys	Trp	Lys	Leu	Ala	Ala
						135					140				
Val	Ala	Trp	Met	Met	Gly	Leu	Leu	Gln	Ser	Ile	Val	Gln	Thr	Pro	Pro
145					150					155					160
Thr	Leu	Lys	Leu	Pro	Phe	Cys	Pro	His	Arg	Gln	Ile	Asp	Asp	Phe	Leu
				165					170					175	
Cys	Glu	Val	Pro	Ser	Leu	Ile	Arg	Leu	Ser	Cys	Gly	Asp	Thr	Thr	Phe
			180					185					190		
Asn	Glu	Ile	Gln	Leu	Ala	Val	Ser	Ser	Val	Ile	Leu	Val	Val	Val	Pro
		195					200					205			
Leu	Ser	Leu	Ile	Leu	Val	Ser	Tyr	Gly	Ala	Ile	Ala	Arg	Ala	Val	Met
		210				215					220				
Arg	Ile	Asn	Ser	Thr	Glu	Ala	Trp	Lys	Lys	Ala	Leu	Arg	Thr	Cys	Ser
225					230					235					240
Ser	His	Leu	Ile	Val	Val	Thr	Leu	Phe	Tyr	Ser	Ser	Val	Ile	Ala	Val
				245					250					255	
Tyr	Leu	Gln	Pro	Lys	Asn	Pro	Tyr	Ala	Gln	Glu	Arg	Gly	Lys	Phe	Phe
			260					265					270		
Gly	Leu	Phe	Tyr	Ala	Val	Gly	Thr	Pro	Thr	Leu	Asn	Pro	Leu	Ile	Tyr
		275				280						285			
Thr	Leu	Arg	Asn	Lys	Glu	Val	Lys	Arg	Ala	Phe	Trp	Arg	Leu	Leu	Gly
		290				295					300				
Lys	Asp	Gly	Asp	Ser	Lys	Asn	Thr								
305					310										

<210> 1960
 <211> 310
 <212> PRT
 <213> Mus musculus

<400> 1960

Met	Val	Asn	Gln	Ser	Ser	Pro	Val	Gly	Phe	Leu	Leu	Leu	Gly	Phe	Ser
1				5					10					15	
Glu	His	Pro	Gln	Leu	Glu	Lys	Val	Leu	Phe	Val	Val	Val	Leu	Cys	Ser
			20					25					30		
Tyr	Leu	Leu	Thr	Leu	Leu	Gly	Asn	Thr	Leu	Ile	Leu	Leu	Leu	Ser	Thr

His	Tyr	Leu	Thr	Ile	Met	Asn	His	Arg	Val	Cys	Ile	Leu	Leu	Val	Met
130						135					140				
Ala	Thr	Trp	Val	Gly	Gly	Phe	Ala	His	Ser	Met	Ala	Gln	Val	Leu	Phe
145					150					155					160
Val	Tyr	Asp	Leu	Pro	Phe	Cys	Gly	Pro	Asn	Val	Ile	Asp	His	Phe	Ala
				165					170					175	
Cys	Asp	Met	Tyr	Pro	Leu	Leu	Val	Leu	Val	Cys	Ser	Asp	Thr	Tyr	Phe
			180					185					190		
Leu	Gly	Leu	Thr	Val	Ile	Ala	Asn	Asp	Gly	Ala	Ile	Cys	Met	Val	Val
			195				200					205			
Phe	Val	Ile	Leu	Leu	Ala	Ser	Tyr	Gly	Ile	Ile	Leu	Asn	Ser	Leu	Lys
210						215					220				
Thr	His	Ser	Gln	Glu	Gly	Arg	Arg	Lys	Ala	Leu	Ser	Thr	Cys	Ser	Ser
225					230					235					240
His	Ile	Met	Val	Val	Ile	Leu	Phe	Phe	Val	Pro	Cys	Ile	Phe	Met	Tyr
				245					250					255	
Val	Arg	Pro	Val	Ser	Asn	Phe	Pro	Val	Asp	Lys	Ser	Val	Thr	Ile	Phe
			260					265					270		
Tyr	Thr	Val	Val	Thr	Pro	Met	Leu	Asn	Pro	Leu	Ile	Tyr	Thr	Leu	Arg
		275					280					285			
Asn	Ser	Glu	Ile	Lys	His	Ser	Met	Leu	Lys	Leu	Trp	Ser	Lys	Ile	Leu
290						295					300				
His	Ser	Asp	Arg	Leu	Arg	Lys	Ser	Cys	Cys						
305					310										

<210> 1962

<211> 302

<212> PRT

<213> Mus musculus

<400> 1962

Met	Asp	Ser	Pro	Arg	Asn	Val	Thr	Glu	Phe	Phe	Met	Leu	Gly	Leu	Ser
1				5					10					15	
Gln	Asn	Pro	Gln	Val	Gln	Arg	Met	Leu	Phe	Gly	Leu	Phe	Leu	Leu	Val
			20					25					30		
Phe	Leu	Val	Ser	Val	Gly	Gly	Asn	Met	Leu	Ile	Ile	Ile	Thr	Ile	Thr
		35				40						45			
Phe	Ser	Pro	Thr	Leu	Gly	Ser	Pro	Met	Tyr	Phe	Phe	Leu	Ser	Tyr	Leu
	50					55				60					
Ser	Phe	Ile	Asp	Thr	Cys	Tyr	Ser	Ser	Cys	Met	Thr	Pro	Lys	Leu	Ile
65					70					75					80
Ala	Asp	Ser	Leu	His	Glu	Gly	Arg	Ala	Ile	Ser	Phe	Glu	Gly	Cys	Leu
				85					90					95	
Ala	Gln	Phe	Phe	Val	Ala	His	Leu	Leu	Gly	Gly	Thr	Glu	Ile	Ile	Leu
			100					105					110		
Leu	Thr	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu
		115					120					125			
His	Tyr	Thr	Thr	Thr	Met	Thr	Arg	His	Val	Cys	Ile	Val	Leu	Val	Ala
	130					135					140				
Val	Ala	Trp	Leu	Gly	Gly	Ile	Leu	His	Ser	Thr	Ala	Gln	Leu	Phe	Leu
145					150					155					160
Val	Leu	Gln	Leu	Pro	Phe	Cys	Gly	Pro	Asn	Val	Ile	Asn	His	Phe	Val
				165					170					175	
Cys	Asp	Leu	Tyr	Pro	Leu	Leu	Glu	Leu	Ala	Cys	Thr	Asp	Thr	Tyr	Val
			180					185					190		
Ile	Gly	Leu	Leu	Val	Val	Ala	Asn	Ser	Gly	Val	Ile	Cys	Leu	Leu	Asn
		195					200					205			
Phe	Leu	Met	Leu	Ala	Ala	Ser	Tyr	Ile	Val	Ile	Leu	Arg	Thr	Leu	Arg

210		215		220
Ser His Ser Ala Glu Gly Arg Arg Lys Ala Leu Ser Thr Cys Gly Ala				
225		230		235
His Phe Thr Val Val Ala Leu Phe Phe Val Pro Cys Ile Phe Ile Tyr				240
		245		250
Met Arg Pro Ser Ser Thr Leu Ser Ile Asp Lys Ile Val Ala Val Phe				255
		260		265
Tyr Cys Ile Leu Thr Pro Met Phe Asn Pro Leu Ile Tyr Thr Leu Arg				270
		275		280
Asn Ala Glu Val Lys Asn Ala Met Lys Asn Leu Trp Arg Lys				285
290		295		300

<210> 1963

<211> 306

<212> PRT

<213> Mus musculus

<400> 1963

Met Ser Asn Val Thr Glu Phe Ile Leu Leu Gly Leu Thr Gln Asp Pro				
1	5	10	15	
Asp Leu Gln Lys Phe Leu Phe Ile Val Cys Leu Ile Ile Tyr Leu Ile				
	20	25	30	
Thr Leu Ala Gly Asn Met Leu Ile Ser Val Thr Ile Phe Ile Ser Pro				
	35	40	45	
Ala Leu Ala Thr Pro Met Tyr Phe Phe Leu Ser Tyr Leu Ser Val Ile				
	50	55	60	
Asp Gly Phe Tyr Ser Ser Ser Ile Ala Pro Lys Met Ile Tyr Asp Leu				
65	70	75	80	
Ile Ser Glu Lys Ser Thr Ile Ser Phe Asn Gly Cys Met Thr Gln Leu				
	85	90	95	
Phe Val Glu His Phe Phe Ala Ala Ala Glu Ile Ile Leu Leu Met Ser				
	100	105	110	
Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Lys Pro Leu His Tyr Met				
	115	120	125	
Thr Ile Met Asn Arg Pro Leu Cys Val Phe Leu Val Gly Ala Ala Val				
	130	135	140	
Ile Leu Gly Phe Ile His Gly Gly Ile Gln Ile Leu Phe Met Ala Gln				
145	150	155	160	
Leu Pro Phe Cys Gly Pro Asn Ile Ile Asp His Phe Met Cys Asp Leu				
	165	170	175	
Ile Pro Leu Leu Glu Leu Ala Cys Thr Asp Thr His Thr Leu Gly Pro				
	180	185	190	
Leu Ile Ala Ala Asn Ser Gly Ser Leu Cys Leu Leu Ile Phe Ser Met				
	195	200	205	
Leu Val Ala Ser Tyr Val Val Ile Leu Arg Ser Leu Arg Asn His Ser				
	210	215	220	
Ala Glu Gly Arg Arg Lys Ala Leu Ser Thr Cys Ala Ser His Val Thr				
225	230	235	240	
Val Val Val Leu Phe Phe Val Pro Cys Ser Tyr Leu Tyr Leu Arg Pro				
	245	250	255	
Met Thr Ser Phe Pro Thr Asp Lys Ala Val Thr Val Phe Cys Thr Leu				
	260	265	270	
Val Thr Pro Met Leu Asn Pro Leu Ile Tyr Thr Leu Arg Asn Glu Glu				
	275	280	285	
Val Lys Arg Val Met Lys Lys Leu Trp Gly Arg Met Arg Lys Ala Gly				
	290	295	300	
Asp Met				
305				

<210> 1964
 <211> 311
 <212> PRT
 <213> Mus musculus

<400> 1964
 Met Gly Asn Phe Asn Thr Ser Thr Gln Glu Ser Phe Ile Leu Val Gly
 1 5 10 15
 Phe Ser Asp Trp Pro Gln Leu Gln Ala Phe Leu Phe Val Ile Ile Leu
 20 25 30
 Ile Phe Tyr Ser Leu Thr Ile Phe Gly Asn Thr Thr Ile Ile Val Leu
 35 40 45
 Ala Arg Leu Asp Leu Arg Leu His Lys Pro Met Tyr Phe Phe Leu Ser
 50 55 60
 His Leu Ser Phe Leu Asp Leu Cys Tyr Thr Thr Ser Thr Val Pro Gln
 65 70 75 80
 Leu Leu Ile Asn Leu Arg Gly Leu Asp Arg Thr Ile Ser Tyr Gly Gly
 85 90 95
 Cys Val Ala Gln Leu Phe Ile Phe Leu Ala Leu Ala Ser Thr Glu Cys
 100 105 110
 Leu Ile Leu Val Ala Met Ala Phe Asp Arg Tyr Ala Ala Val Cys His
 115 120 125
 Pro Leu His Tyr Thr Ser Ile Met Asn Pro Ile Leu Cys Arg Ala Leu
 130 135 140
 Ala Ile Ser Ser Trp Val Gly Gly Leu Val Asn Ser Leu Ile Gln Thr
 145 150 155 160
 Gly Leu Val Met Ala Met Arg Leu Cys Gly His Gln Ile Asn His Phe
 165 170 175
 Phe Cys Glu Met Pro Ile Phe Leu Lys Leu Ala Cys Glu Asp Thr Glu
 180 185 190
 Gly Thr Glu Ala Lys Met Phe Val Ala Arg Thr Ile Val Leu Val Cys
 195 200 205
 Pro Ala Val Leu Ile Leu Gly Ser Tyr Val His Ile Ala Lys Ala Val
 210 215 220
 Leu Lys Val Lys Ser Met Ala Gly Arg Arg Lys Ala Phe Gly Thr Cys
 225 230 235 240
 Gly Ser His Leu Met Val Val Ser Leu Phe Tyr Gly Ser Gly Ile Tyr
 245 250 255
 Thr Tyr Leu Gln Pro Val His Arg Tyr Ser Glu Ser Lys Gly Lys Phe
 260 265 270
 Val Ala Leu Phe Tyr Thr Ile Val Thr Pro Met Phe Asn Pro Leu Ile
 275 280 285
 Tyr Thr Leu Arg Asn Lys Asp Val Lys Gly Ala Leu Trp Lys Leu Leu
 290 295 300
 Gly Arg Gly Thr Asp Ser Gly
 305 310

<210> 1965
 <211> 318
 <212> PRT
 <213> Mus musculus

<400> 1965
 Met Gly Ser Phe Asn Leu Ser Leu Glu Gly Phe Leu Leu Val Gly Phe
 1 5 10 15
 Ser Asp Trp Pro Gln Leu Glu Leu Ile Leu Leu Val Phe Ile Ser Ile

Val	Leu	Leu	Val	Val	Met	Ala	Phe	Asp	Arg	Tyr	Val	Ala	Val	Cys	Arg
		115					120					125			
Pro	Leu	His	Tyr	Thr	Thr	Ile	Met	His	Pro	Val	Leu	Cys	Gln	Ala	Leu
	130					135					140				
Ala	Ile	Ala	Ser	Trp	Val	Gly	Gly	Phe	Leu	Asn	Ser	Leu	Ile	Gln	Thr
145					150					155					160
Gly	Leu	Met	Met	Ala	Met	Pro	Leu	Cys	Gly	His	Arg	Leu	Asn	His	Phe
				165					170					175	
Phe	Cys	Glu	Met	Pro	Val	Phe	Leu	Lys	Leu	Ala	Cys	Gln	Asp	Thr	Gly
			180					185					190		
Gly	Thr	Glu	Ala	Lys	Met	Phe	Val	Ala	Arg	Val	Val	Ile	Val	Ala	Val
		195					200					205			
Pro	Ala	Met	Leu	Ile	Leu	Gly	Ser	Tyr	Ala	Gln	Ile	Ala	Arg	Ala	Val
	210					215					220				
Leu	Lys	Val	Lys	Ser	Val	Ala	Ala	Arg	Arg	Lys	Ala	Ala	Gly	Thr	Cys
225					230					235					240
Gly	Ser	His	Leu	Leu	Val	Val	Ser	Leu	Phe	Tyr	Gly	Ser	Ala	Thr	Tyr
				245					250					255	
Thr	Tyr	Leu	Gln	Pro	Lys	Asp	Ser	Tyr	Ser	Glu	Ser	Lys	Gly	Lys	Phe
			260					265					270		
Val	Ala	Leu	Phe	Tyr	Thr	Ile	Ile	Thr	Pro	Met	Phe	Asn	Pro	Leu	Ile
		275					280					285			
Tyr	Thr	Leu	Arg	Asn	Lys	Asp	Met	Lys	Gly	Ala	Leu	Trp	Lys	Val	Leu
	290					295					300				
Gly	Arg	Ala	Ala	Ala	Thr	Gly									
305					310										

<210> 1967

<211> 311

<212> PRT

<213> Mus musculus

<400> 1967

Met	Glu	Ser	Phe	Asn	Ile	Ser	Leu	Gly	Lys	Gly	Phe	Ile	Leu	Val	Gly
1				5					10				15		
Phe	Ser	Asp	Trp	Pro	Ala	Leu	Glu	Leu	Ile	Phe	Phe	Ile	Tyr	Ile	Leu
		20						25					30		
Ile	Phe	Tyr	Ser	Leu	Thr	Leu	Phe	Gly	Asn	Thr	Ala	Ile	Ile	Ala	Leu
		35					40					45			
Ser	Arg	Met	Asp	Leu	Gln	Leu	His	Thr	Pro	Met	Tyr	Tyr	Phe	Leu	Cys
	50					55					60				
His	Leu	Ser	Phe	Leu	Asp	Leu	Cys	Phe	Thr	Thr	Ser	Thr	Val	Pro	Gln
65					70					75				80	
Leu	Leu	Ile	Asn	Leu	His	Gly	Gln	Asp	Arg	Thr	Ile	Ser	Tyr	Gly	Gly
			85					90					95		
Cys	Val	Ser	Gln	Leu	Phe	Ile	Thr	Leu	Ala	Leu	Gly	Ser	Thr	Glu	Ser
			100					105					110		
Val	Leu	Leu	Val	Val	Met	Ala	Phe	Asp	Arg	Tyr	Ala	Ala	Val	Cys	Arg
		115					120					125			
Pro	Leu	His	Tyr	Met	Asn	Ile	Met	His	Pro	Val	Leu	Cys	Gln	Ala	Leu
	130					135					140				
Ala	Ile	Ala	Ser	Trp	Val	Gly	Gly	Phe	Leu	Asn	Ser	Leu	Ile	Gln	Thr
145					150					155					160
Gly	Leu	Met	Met	Ala	Met	Pro	Leu	Cys	Gly	His	Arg	Leu	Asn	His	Phe
				165					170					175	
Phe	Cys	Glu	Met	Pro	Val	Phe	Leu	Lys	Leu	Ala	Cys	Gln	Asp	Thr	Gly
			180					185					190		
Gly	Thr	Glu	Ala	Lys	Met	Phe	Val	Ala	Arg	Ala	Val	Ile	Val	Ala	Val

Pro	Ala	Met	Leu	Ile	Leu	Gly	Ser	Tyr	Ala	Gln	Ile	Ala	Arg	Ala	Val
	210					215					220				
Leu	Lys	Val	Lys	Ser	Val	Ala	Ala	Arg	Arg	Lys	Ala	Ala	Gly	Thr	Cys
225					230					235					240
Gly	Ser	His	Leu	Leu	Val	Val	Ser	Leu	Phe	Tyr	Gly	Ser	Ala	Thr	Tyr
				245					250					255	
Thr	Tyr	Leu	Gln	Pro	Lys	Asp	Ser	Tyr	Ser	Glu	Ser	Lys	Gly	Lys	Phe
			260					265					270		
Val	Ala	Leu	Phe	Tyr	Thr	Ile	Ile	Thr	Pro	Met	Phe	Asn	Pro	Leu	Ile
		275					280					285			
Tyr	Thr	Leu	Arg	Asn	Lys	Asp	Met	Lys	Gly	Ala	Leu	Trp	Lys	Val	Leu
	290					295					300				
Gly	Arg	Ala	Ala	Ala	Thr	Gly									
305					310										

<210> 1968

<211> 311

<212> PRT

<213> Mus musculus

<400> 1968

Met	Glu	Tyr	Leu	Asn	Thr	Ser	Ser	Glu	Glu	Gly	Phe	Ile	Leu	Val	Gly
1				5					10					15	
Phe	Ser	Asp	Trp	Pro	His	Leu	Glu	Pro	Thr	Leu	Phe	Ala	Phe	Ile	Ser
			20					25				30			
Ile	Phe	Tyr	Ser	Leu	Thr	Leu	Phe	Gly	Asn	Thr	Val	Ile	Ile	Ile	Leu
		35					40					45			
Ser	Arg	Leu	Asp	Leu	Arg	Leu	His	Thr	Pro	Met	Tyr	Tyr	Phe	Leu	Cys
	50					55					60				
His	Leu	Ser	Phe	Leu	Asp	Leu	Cys	Tyr	Thr	Thr	Ser	Thr	Val	Pro	Gln
65					70				75						80
Leu	Leu	Val	Asn	Leu	Ser	Gly	Leu	Asp	Arg	Thr	Ile	Ser	Phe	Gly	Arg
			85						90					95	
Cys	Val	Ala	Gln	Leu	Cys	Ile	Val	Leu	Ser	Leu	Gly	Gly	Thr	Glu	Cys
		100						105					110		
Val	Leu	Leu	Val	Ala	Met	Ala	Ile	Asp	Arg	Tyr	Ala	Ala	Val	Cys	Arg
		115					120					125			
Pro	Leu	His	Tyr	Thr	Thr	Ile	Met	His	Pro	Val	Leu	Cys	Arg	Ala	Leu
	130					135					140				
Val	Val	Phe	Ser	Trp	Val	Gly	Gly	Leu	Val	Asn	Ser	Leu	Ile	Gln	Thr
145					150					155					160
Ser	Leu	Val	Met	Ala	Met	Pro	Leu	Cys	Gly	His	Gln	Leu	Asn	His	Phe
				165					170					175	
Phe	Cys	Glu	Leu	Pro	Val	Leu	Leu	Lys	Met	Ala	Cys	Glu	Asp	Thr	Gly
		180						185					190		
Gly	Thr	Glu	Val	Asn	Leu	Phe	Val	Ala	Arg	Val	Ile	Ile	Leu	Val	Cys
		195					200					205			
Pro	Leu	Leu	Leu	Ile	Leu	Gly	Ser	Tyr	Ala	His	Ile	Ala	Arg	Ala	Val
	210					215					220				
Leu	Asn	Ile	Arg	Ser	Met	Ala	Gly	Arg	Arg	Lys	Ala	Phe	Gly	Thr	Cys
225					230					235					240
Ala	Ser	His	Leu	Ile	Val	Val	Ala	Met	Phe	Tyr	Gly	Ser	Ala	Ile	Ser
				245					250					255	
Thr	Tyr	Leu	Gln	Pro	Val	His	Arg	Tyr	Ser	Glu	Lys	Glu	Gly	Lys	Phe
			260					265					270		
Leu	Ala	Leu	Phe	Tyr	Thr	Ile	Ile	Thr	Pro	Met	Leu	Asn	Pro	Leu	Ile
		275					280					285			

Tyr	Thr	Leu	Arg	Asn	Lys	Asp	Val	Lys	Gly	Ala	Leu	Trp	Lys	Val	Leu
	290					295					300				
Gly	Arg	Gly	Thr	Asp	Ser	Arg									
305					310										

<210> 1969
 <211> 311
 <212> PRT
 <213> Mus musculus

<400> 1969															
Met	Gly	Ser	Phe	Asn	Ala	Ser	Leu	Gly	Lys	Gly	Phe	Ile	Leu	Val	Gly
1				5					10					15	
Phe	Ser	Asp	Trp	Pro	Gln	Leu	Glu	Leu	Ile	Leu	Phe	Ile	Tyr	Val	Leu
			20					25					30		
Ile	Phe	Tyr	Ser	Leu	Thr	Leu	Phe	Gly	Asn	Thr	Thr	Ile	Ile	Ala	Leu
		35					40					45			
Ser	Gln	Leu	Asp	Ile	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser
		50				55					60				
His	Leu	Ser	Phe	Leu	Asp	Leu	Cys	Tyr	Thr	Thr	Ser	Thr	Val	Pro	Gln
65					70				75						80
Leu	Leu	Ile	Asn	Ile	Ala	Ala	Gln	Asp	His	Thr	Ile	Thr	Tyr	Gly	Arg
			85						90					95	
Cys	Val	Ala	Gln	Leu	Phe	Ser	Val	Leu	Ala	Leu	Gly	Ser	Thr	Glu	Ser
			100					105					110		
Met	Leu	Leu	Val	Val	Met	Ala	Phe	Asp	Arg	Tyr	Ala	Ala	Val	Cys	Arg
		115					120					125			
Pro	Leu	His	Tyr	Thr	Thr	Ile	Met	His	Pro	Leu	Leu	Cys	Gln	Ala	Leu
	130					135					140				
Ala	Ile	Ser	Ser	Trp	Val	Ala	Gly	Leu	Val	Asn	Ser	Leu	Ile	Gln	Thr
145					150					155					160
Gly	Leu	Met	Met	Ala	Met	Pro	Leu	Cys	Arg	Tyr	Arg	Leu	Asn	His	Phe
				165					170					175	
Phe	Cys	Glu	Met	Pro	Val	Phe	Leu	Lys	Leu	Ala	Cys	Lys	Asp	Thr	Ala
			180					185					190		
Gly	Thr	Glu	Ala	Lys	Met	Phe	Val	Ala	Arg	Ala	Ile	Ile	Leu	Val	Phe
		195					200					205			
Pro	Ala	Thr	Leu	Ile	Leu	Gly	Ser	Tyr	Ala	His	Ile	Ala	Arg	Ala	Val
		210				215					220				
Leu	Lys	Val	Lys	Ser	Thr	Ser	Gly	Arg	Arg	Lys	Ala	Phe	Gly	Thr	Cys
225					230					235					240
Gly	Ser	His	Leu	Leu	Val	Val	Ser	Met	Phe	Tyr	Gly	Ser	Thr	Ile	Tyr
				245					250					255	
Thr	Tyr	Leu	Gln	Pro	Asn	Asp	Ser	Tyr	Ser	Glu	Asn	Glu	Gly	Lys	Phe
			260					265					270		
Val	Ala	Leu	Phe	Tyr	Thr	Ile	Val	Thr	Pro	Met	Leu	Asn	Pro	Leu	Ile
		275					280					285			
Tyr	Thr	Leu	Arg	Asn	Lys	Asp	Val	Lys	Gly	Ala	Leu	Trp	Lys	Val	Leu
	290					295					300				
Gly	Arg	Gly	Thr	Asp	Ser	Arg									
305					310										

<210> 1970
 <211> 311
 <212> PRT
 <213> Mus musculus

<400> 1970

Met	Gly	Thr	Phe	Asn	Phe	Ser	Ser	Asp	Arg	Ala	Phe	Phe	Leu	Val	Gly
1				5					10					15	
Phe	Ser	Asp	Trp	Pro	His	Leu	Glu	Leu	Val	Phe	Phe	Val	Ala	Ile	Ser
		20						25					30		
Ile	Phe	Tyr	Ser	Leu	Thr	Leu	Phe	Gly	Asn	Ser	Ser	Ile	Ile	Ala	Leu
		35					40					45			
Ser	Arg	Leu	Asp	Leu	Arg	Leu	Gln	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Cys
	50					55					60				
His	Leu	Ser	Phe	Leu	Asp	Leu	Cys	Tyr	Thr	Thr	Ser	Thr	Val	Pro	Gln
65					70					75				80	
Leu	Leu	Ile	Asn	Leu	His	Gly	Gln	Asp	Arg	Thr	Ile	Ser	Tyr	Glu	Arg
			85						90					95	
Cys	Val	Ala	Gln	Leu	Leu	Ile	Phe	Leu	Ala	Leu	Ala	Ser	Thr	Glu	Cys
			100					105					110		
Val	Leu	Leu	Gly	Val	Met	Ala	Phe	Asp	Arg	Tyr	Ala	Ala	Val	Cys	Arg
		115					120					125			
Pro	Leu	His	Tyr	Thr	Thr	Ile	Met	His	Pro	Gln	Leu	Cys	His	Thr	Leu
	130					135					140				
Ala	Ile	Ser	Ser	Trp	Val	Gly	Gly	Leu	Val	Asn	Ser	Leu	Thr	Gln	Thr
145					150					155					160
Gly	Leu	Met	Met	Val	Met	Pro	Leu	Cys	Gly	Tyr	Arg	Leu	Asn	His	Phe
				165					170					175	
Phe	Cys	Glu	Met	Pro	Ile	Phe	Leu	Lys	Leu	Ala	Cys	Glu	Glu	Thr	Lys
			180					185					190		
Arg	Thr	Glu	Ala	Lys	Met	Phe	Val	Ala	Arg	Thr	Ile	Val	Leu	Val	Cys
		195					200					205			
Pro	Ala	Ala	Leu	Ile	Leu	Gly	Ser	Tyr	Ala	His	Ile	Thr	Arg	Ala	Val
	210					215					220				
Leu	Lys	Val	Lys	Ser	Thr	Ala	Gly	Arg	Arg	Lys	Ala	Phe	Gly	Thr	Cys
225					230					235					240
Gly	Ser	His	Ile	Leu	Val	Val	Ser	Leu	Phe	Tyr	Gly	Ser	Ala	Ile	Tyr
			245						250					255	
Thr	Tyr	Leu	Gln	Pro	Thr	His	Thr	Tyr	Ser	Glu	Ser	Glu	Gly	Lys	Phe
			260					265					270		
Val	Ala	Leu	Phe	Tyr	Thr	Ile	Ile	Thr	Pro	Met	Leu	Asn	Pro	Leu	Ile
		275					280					285			
Tyr	Thr	Leu	Arg	Asn	Lys	Asp	Val	Lys	Gly	Ala	Leu	Trp	Lys	Val	Leu
	290					295					300				
Gly	Arg	Gly	Thr	Asp	Ser	Glu									
305					310										

<210> 1971

<211> 313

<212> PRT

<213> Mus musculus

<400> 1971

Met	Met	Gln	Trp	Asn	Asn	Trp	Thr	Arg	Asn	Ser	Asp	Phe	Ile	Leu	Leu
1				5					10					15	
Gly	Phe	Phe	Asp	His	Ser	Pro	Leu	His	Thr	Phe	Phe	Phe	Ser	Leu	Ile
			20					25					30		
Leu	Ala	Ile	Phe	Phe	Met	Ala	Leu	Ile	Gly	Asn	Ser	Val	Met	Val	Ile
		35					40					45			
Leu	Ile	Tyr	Leu	Asp	Ala	Gln	Leu	His	Thr	Pro	Met	Tyr	Ile	Leu	Leu
	50					55					60				
Ser	Gln	Leu	Ser	Leu	Met	Asp	Leu	Met	Leu	Ile	Ser	Thr	Thr	Val	Pro
65					70					75					80

Gln	Thr	Ala	Phe	Asn	Phe	Leu	Ser	Gly	Asn	Lys	Ser	Ile	Ser	Met	Ala	
				85					90					95		
Gly	Cys	Gly	Val	Gln	Ile	Phe	Phe	Tyr	Val	Ser	Leu	Leu	Gly	Ala	Glu	
			100					105					110			
Cys	Phe	Leu	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	
		115					120					125				
Tyr	Pro	Leu	Arg	Tyr	Pro	Ile	Leu	Met	Ser	His	Lys	Ile	Cys	Ser	Leu	
	130					135					140					
Met	Ala	Ala	Phe	Ser	Trp	Ile	Leu	Gly	Ser	Leu	Asp	Gly	Ile	Ile	Asp	
145					150					155					160	
Val	Ala	Ala	Val	Leu	Ser	Phe	Ser	Tyr	Cys	Gly	Thr	Arg	Glu	Ile	Pro	
			165						170					175		
His	Phe	Phe	Cys	Asp	Ile	Pro	Ala	Leu	Leu	Thr	Ile	Ser	Cys	Ser	Asp	
			180					185					190			
Thr	Leu	Ile	Phe	Glu	Lys	Ile	Ile	Phe	Phe	Cys	Cys	Val	Ile	Met	Leu	
		195				200						205				
Ile	Phe	Pro	Val	Val	Ile	Val	Ile	Ala	Ser	Tyr	Ile	Cys	Val	Ile	Leu	
	210					215					220					
Ala	Val	Ile	Lys	Met	Ala	Ser	Ala	Glu	Ser	Arg	His	Lys	Ala	Phe	Ala	
225					230					235					240	
Thr	Cys	Ser	Ser	His	Val	Met	Val	Val	Val	Ile	Tyr	Tyr	Gly	Ala	Ala	
				245					250					255		
Met	Phe	Ile	Tyr	Met	Gln	Pro	Ser	Ser	Ser	Arg	Ser	Pro	Asn	Gln	Asp	
			260					265					270			
Lys	Leu	Val	Ser	Ala	Phe	Tyr	Thr	Ile	Leu	Thr	Pro	Leu	Leu	Asn	Pro	
		275					280					285				
Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Ala	Arg	Ala	Phe	Met	Lys	
	290					295					300					
Val	Leu	Arg	Met	Asp	Lys	Ala	Ala	Gly								
305					310											

<210> 1972

<211> 320

<212> PRT

<213> Mus musculus

<400> 1972

Met	Gln	Ile	Ser	Ser	Ser	Ile	Ile	Ser	Pro	Arg	Met	Asn	Cys	Ser	Gln	
1				5					10				15			
Ala	Pro	Gly	Phe	Ile	Leu	Leu	Gly	Leu	Pro	Arg	Glu	Pro	Glu	Lys	Trp	
			20					25					30			
Gln	His	Phe	Phe	Ile	Ile	Phe	Leu	Gly	Leu	Tyr	Leu	Leu	Gly	Leu	Leu	
		35				40					45					
Gly	Asn	Leu	Leu	Leu	Leu	Leu	Ala	Ile	Gly	Ser	Asp	Val	His	Leu	His	
	50					55					60					
Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser	Gln	Leu	Ser	Leu	Val	Asp	Leu	Cys	
65					70					75					80	
Phe	Ile	Thr	Thr	Thr	Ala	Pro	Lys	Thr	Leu	Glu	Thr	Trp	Trp	Thr	Gly	
				85				90						95		
Asp	Gly	Ser	Ile	Ser	Phe	Ser	Gly	Cys	Leu	Thr	Gln	Leu	Tyr	Phe	Phe	
			100					105					110			
Gly	Val	Phe	Ala	Asp	Met	Asp	Asn	Leu	Leu	Leu	Ala	Val	Met	Ala	Ile	
		115					120					125				
Asp	Arg	Tyr	Ala	Ala	Ile	Cys	His	Pro	Leu	Leu	Tyr	Pro	Leu	Leu	Met	
	130					135					140					
Thr	Pro	Cys	Arg	Cys	Glu	Val	Leu	Val	Ser	Gly	Ser	Trp	Gly	Ile	Ala	
145					150					155					160	
His	Cys	Val	Ser	Leu	Met	Tyr	Thr	Leu	Leu	Leu	Ser	Gln	Leu	Tyr	Phe	

				165					170					175			
His	Thr	Asn	Gln	Glu	Ile	Pro	His	Phe	Phe	Cys	Asp	Cys	Arg	Pro	Leu		
			180					185					190				
Leu	Leu	Leu	Ser	Cys	Ser	Asp	Thr	His	Leu	Asn	Glu	Val	Leu	Met	Met		
		195					200					205					
Ala	Leu	Ala	Gly	Val	Leu	Gly	Val	Ser	Ala	Val	Leu	Cys	Ile	Val	Ser		
	210					215					220						
Ser	Tyr	Gly	Cys	Ile	Phe	Tyr	Ala	Val	Ala	Arg	Val	Pro	Ser	Ala	Gln		
225					230					235					240		
Gly	Lys	Arg	Lys	Ala	Leu	Thr	Thr	Cys	Ser	Ser	His	Leu	Ser	Val	Val		
				245					250					255			
Leu	Leu	Phe	Tyr	Ser	Thr	Val	Phe	Ala	Thr	Tyr	Leu	Lys	Pro	Pro	Ser		
		260					265						270				
Thr	Ser	His	Ser	Ser	Gly	Glu	Val	Val	Ala	Ala	Val	Met	Tyr	Thr	Leu		
		275					280					285					
Val	Thr	Pro	Thr	Leu	Asn	Pro	Phe	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp		
	290					295					300						
Val	Lys	Ser	Ser	Leu	Arg	Arg	Val	Leu	Asn	Ile	Glu	Lys	Ser	Gln	Asp		
305					310					315					320		

<210> 1973

<211> 321

<212> PRT

<213> Mus musculus

<400> 1973

Met	Trp	Ile	His	Leu	Glu	Phe	Met	Glu	Asn	His	Lys	Asn	Val	Thr	Glu		
1				5				10					15				
Phe	Ile	Phe	Met	Gly	Leu	Trp	Gln	Asn	Arg	Gln	Ile	Glu	Leu	Leu	Phe		
			20					25					30				
Phe	Leu	Leu	Phe	Leu	Leu	Cys	Tyr	Leu	Ala	Ile	Leu	Met	Gly	Asn	Ser		
		35					40					45					
Val	Ile	Leu	Phe	Thr	Ile	Thr	Tyr	Ser	His	Leu	Ile	Glu	Gln	Pro	Met		
	50					55					60						
Tyr	Tyr	Phe	Leu	Cys	His	Leu	Ser	Leu	Met	Asp	Leu	Cys	Tyr	Thr	Ser		
65					70					75					80		
Thr	Val	Ile	Pro	Arg	Leu	Val	Arg	Asp	Leu	Ala	Thr	Thr	Arg	Lys	Asn		
				85					90					95			
Ile	Ser	Tyr	Asn	Glu	Cys	Met	Thr	Gln	Leu	Phe	Thr	Ala	His	Leu	Leu		
			100					105					110				
Ala	Gly	Val	Glu	Ile	Phe	Ile	Leu	Val	Ser	Met	Ala	Leu	Asp	Arg	Tyr		
		115					120					125					
Val	Ala	Ile	Val	Lys	Pro	Leu	His	Tyr	Met	Val	Ile	Met	Ser	Arg	Lys		
	130					135					140						
Arg	Cys	Asp	Met	Leu	Ile	Val	Thr	Ala	Trp	Ile	Leu	Gly	Phe	Trp	His		
145					150					155					160		
Ser	Ile	Ala	Leu	Leu	Met	Val	Leu	Ser	Leu	Pro	Phe	Cys	Gly	Pro			
			165					170					175				
Asn	His	Ile	Asn	His	Tyr	Leu	Cys	Asp	Ile	Lys	Pro	Leu	Leu	Lys	Leu		
			180					185					190				
Val	Cys	Lys	Asp	Val	His	Val	Val	Ser	Ile	Leu	Ala	Ile	Ala	Asn	Ser		
		195					200					205					
Gly	Met	Val	Leu	Phe	Ala	Ile	Phe	Ile	Val	Leu	Leu	Ala	Ser	Tyr	Ile		
	210					215					220						
Leu	Ile	Leu	Tyr	Ser	Leu	Arg	Thr	Arg	Ser	Ser	Ala	Gly	Lys	Arg	Lys		
225					230					235					240		
Ala	Leu	Ser	Thr	Cys	Ser	Ser	His	Ile	Met	Val	Val	Val	Leu	Phe	Phe		
				245					250					255			

<210> 1975
 <211> 309
 <212> PRT
 <213> Mus musculus

<400> 1975

Met	Glu	Ile	Lys	Asn	Asn	Val	Thr	Glu	Phe	Val	Leu	Leu	Gly	Leu	Thr
1				5					10					15	
Gln	Asn	Leu	His	Leu	Gln	Lys	Ile	Val	Phe	Val	Val	Phe	Leu	Val	Ile
			20					25					30		
Tyr	Val	Phe	Ser	Val	Val	Gly	Asn	Leu	Leu	Ile	Val	Ile	Thr	Ile	Thr
		35					40					45			
Asn	Ser	Gln	Leu	Leu	Gly	Tyr	Pro	Met	Tyr	Tyr	Phe	Leu	Ala	Tyr	Leu
	50					55					60				
Ser	Phe	Ile	Asp	Ala	Cys	Tyr	Ser	Ser	Val	Asn	Thr	Pro	Lys	Val	Ile
65					70					75					80
Ala	Asp	Ser	Leu	His	Lys	Arg	Lys	Ser	Ile	Lys	Phe	Asn	Gly	Cys	Met
				85					90					95	
Thr	Gln	Val	Phe	Ala	Glu	His	Phe	Ile	Gly	Gly	Thr	Glu	Val	Ile	Leu
			100					105					110		
Leu	Thr	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu
		115					120					125			
His	Tyr	Ala	Thr	Ile	Met	Asn	Arg	Gln	Leu	Cys	Asn	Ile	Leu	Val	Gly
		130				135					140				
Val	Ser	Trp	Val	Gly	Gly	Phe	Leu	His	Gly	Gly	Ile	Gln	Ile	Leu	Phe
145					150					155					160
Ile	Ile	Gly	Leu	Pro	Phe	Cys	Gly	Pro	Asn	Val	Ile	Asp	His	Phe	Met
				165					170					175	
Cys	Asp	Leu	Asn	Pro	Leu	Leu	Asp	Leu	Ala	Cys	Ile	Asp	Thr	His	Ile
			180					185					190		
Leu	Gly	Leu	Phe	Val	Ala	Ala	Asn	Ser	Gly	Phe	Ile	Cys	Leu	Leu	Asn
		195					200					205			
Phe	Leu	Leu	Leu	Leu	Val	Ser	Tyr	Leu	Val	Ile	Leu	Asn	Ser	Leu	Arg
		210				215						220			
Ser	His	Ser	Ala	Glu	Gly	Arg	Arg	Lys	Ala	Leu	Ser	Thr	Cys	Val	Ser
225					230					235					240
His	Ile	Thr	Val	Val	Val	Leu	Phe	Phe	Val	Pro	Cys	Ile	Phe	Val	Tyr
				245					250					255	
Met	Arg	Pro	Val	Ala	Thr	Leu	Pro	Ile	Asp	Lys	Ala	Val	Thr	Leu	Phe
			260					265					270		
Tyr	Thr	Met	Ile	Thr	Pro	Met	Leu	Asn	Pro	Leu	Ile	Tyr	Thr	Leu	Arg
		275					280					285			
Asn	Ala	Gln	Met	Lys	Asn	Ala	Ile	Trp	Lys	Leu	Phe	Ser	Val	Lys	Val
		290				295					300				
Gln	Ser	Asp	Asp	Lys											
305															

<210> 1976
 <211> 310
 <212> PRT
 <213> Mus musculus

<400> 1976

Met	Trp	Leu	Asn	Asn	Asn	Val	Thr	Glu	Phe	Ile	Leu	Leu	Gly	Leu	Thr
1				5					10					15	
Gln	Asp	Pro	Phe	Arg	Lys	Lys	Ile	Leu	Phe	Val	Val	Phe	Leu	Leu	Phe
			20					25					30		

Tyr	Met	Gly	Thr	Leu	Leu	Gly	Asn	Leu	Leu	Ile	Ile	Ala	Thr	Ile	Lys
		35					40					45			
Thr	Ser	Gln	Thr	Leu	Gly	Ser	Pro	Met	Tyr	Phe	Phe	Leu	Phe	Tyr	Leu
	50					55					60				
Ser	Leu	Ser	Asp	Thr	Cys	Phe	Ser	Thr	Thr	Ile	Ala	Pro	Arg	Thr	Ile
65					70					75					80
Val	Asp	Ser	Leu	Leu	Asn	Glu	Ala	Ser	Ile	Ser	Phe	Thr	Glu	Cys	Ile
				85					90					95	
Ile	Gln	Val	Phe	Thr	Phe	His	Phe	Phe	Gly	Cys	Leu	Glu	Ile	Phe	Ile
			100					105					110		
Leu	Ile	Leu	Met	Ala	Val	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu
		115					120					125			
His	Tyr	Met	Thr	Ile	Met	Ser	Arg	Arg	Val	Cys	Gly	Val	Leu	Val	Ala
	130					135					140				
Ile	Ala	Trp	Val	Gly	Ser	Cys	Val	His	Ser	Leu	Val	Gln	Ile	Phe	Leu
145					150					155					160
Ala	Leu	Ser	Leu	Pro	Phe	Cys	Gly	Pro	Asn	Glu	Ile	Asp	His	Tyr	Phe
				165					170					175	
Cys	Asp	Leu	Gln	Pro	Leu	Leu	Lys	Leu	Ala	Cys	Ser	Asp	Thr	Tyr	Leu
			180					185					190		
Ile	Asn	Leu	Leu	Leu	Val	Ser	Asn	Ser	Gly	Ala	Ile	Cys	Thr	Val	Ser
	195						200					205			
Phe	Leu	Met	Leu	Ile	Val	Ser	Tyr	Val	Ile	Ile	Leu	Arg	Ser	Leu	Arg
	210					215					220				
Asn	His	Ser	Ala	Glu	Gly	Arg	Arg	Lys	Ala	Leu	Ser	Thr	Cys	Ile	Ser
225					230					235					240
His	Ile	Ile	Val	Val	Ile	Leu	Phe	Phe	Gly	Pro	Cys	Ile	Phe	Ile	Tyr
				245					250					255	
Thr	Arg	Pro	Ala	Thr	Thr	Phe	Pro	Met	Asp	Lys	Met	Ile	Ala	Ile	Phe
			260					265					270		
Tyr	Ser	Ile	Gly	Thr	Pro	Leu	Leu	Asn	Pro	Leu	Ile	Tyr	Thr	Leu	Arg
		275					280					285			
Asn	Ala	Glu	Val	Lys	Asn	Ala	Met	Lys	Lys	Leu	Trp	Arg	Lys	Lys	Val
	290					295					300				
Val	Ser	Asp	Asp	Arg	Lys										
305					310										

<210> 1977

<211> 318

<212> PRT

<213> Mus musculus

<400> 1977

Met	Ala	Ser	Arg	Thr	Tyr	Ser	Met	Glu	Glu	Val	Asn	Asn	Val	Thr	Glu
1				5					10					15	
Phe	Ile	Phe	Leu	Gly	Leu	Ser	Gln	Asn	Pro	Glu	Val	Glu	Lys	Val	Cys
			20					25					30		
Phe	Val	Val	Phe	Ser	Phe	Phe	Tyr	Met	Val	Ile	Leu	Leu	Gly	Asn	Leu
		35					40					45			
Leu	Ile	Met	Leu	Thr	Val	Cys	Ser	Gly	Asn	Leu	Phe	Lys	Phe	Pro	Met
	50					55					60				
Tyr	Phe	Phe	Leu	Asn	Phe	Leu	Ser	Phe	Val	Asp	Ile	Cys	Tyr	Ser	Ser
65					70					75					80
Val	Thr	Ala	Pro	Lys	Met	Ile	Ile	Asp	Leu	Leu	Val	Lys	Lys	Lys	Thr
				85					90					95	
Ile	Ser	Tyr	Val	Gly	Cys	Met	Leu	Gln	Leu	Phe	Val	Val	His	Phe	Phe
			100					105					110		
Gly	Cys	Thr	Glu	Ile	Phe	Ile	Leu	Thr	Val	Met	Ala	Tyr	Asp	Arg	Tyr

Ile	Phe	Ser	Phe	Leu	Leu	Val	Ser	Tyr	Val	Val	Ile	Leu	Phe	Ser	Leu
	210					215					220				
Arg	Thr	His	Ser	Ser	Glu	Gly	Arg	Arg	Lys	Ala	Leu	Ser	Thr	Cys	Gly
225					230					235					240
Ser	His	Ile	Thr	Val	Val	Val	Leu	Phe	Phe	Val	Pro	Cys	Ile	Leu	Ile
				245					250					255	
Tyr	Ala	Arg	Pro	Thr	Ser	Pro	Phe	Ser	Leu	Glu	Lys	Asn	Val	Phe	Ile
			260					265					270		
Phe	Ala	Asp	Val	Leu	Thr	Pro	Leu	Leu	Asn	Pro	Val	Val	Tyr	Thr	Phe
		275					280					285			
Arg	Asn	Lys	Glu	Met	Lys	Asn	Ala	Ile	Arg	Lys	Met	Trp	Arg	Ser	Leu
	290					295					300				
Leu	Val	Ala	Pro	Asp	Ile	Leu	Lys								
305					310										

<210> 1979

<211> 310

<212> PRT

<213> Mus musculus

<400> 1979

Met	Gln	Leu	Asn	Ile	Asn	Val	Thr	Glu	Val	Ile	Leu	Leu	Gly	Leu	Thr
1				5					10					15	
Gln	Asp	Pro	Ser	Arg	Lys	Asn	Ile	Val	Phe	Ala	Ile	Phe	Leu	Leu	Phe
			20					25					30		
Tyr	Met	Gly	Thr	Leu	Leu	Gly	Asn	Leu	Leu	Ile	Ile	Val	Thr	Val	Lys
		35					40					45			
Thr	Ser	Gln	Ala	Leu	Gly	Ser	Pro	Met	Tyr	Phe	Phe	Leu	Phe	Tyr	Leu
	50					55					60				
Ser	Leu	Ser	Asp	Thr	Cys	Phe	Ser	Thr	Thr	Val	Ala	Pro	Arg	Thr	Ile
					70					75					80
Val	Asp	Ser	Leu	Gln	Lys	Glu	Ala	Ser	Ile	Ser	Phe	Thr	Glu	Cys	Ile
				85					90					95	
Ile	Gln	Ile	Phe	Thr	Phe	His	Phe	Phe	Gly	Cys	Leu	Glu	Ile	Phe	Ile
			100					105					110		
Leu	Ile	Leu	Met	Ala	Val	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu
		115					120					125			
His	Tyr	Met	Thr	Ile	Met	Ser	Arg	Arg	Val	Cys	Gly	Val	Leu	Val	Ala
	130					135					140				
Ile	Ala	Trp	Met	Gly	Ser	Cys	Val	His	Ser	Leu	Val	Gln	Ile	Phe	Leu
				150						155					160
Ala	Leu	Ser	Leu	Pro	Phe	Cys	Gly	Pro	Asn	Val	Ile	Asp	His	Tyr	Phe
				165					170					175	
Cys	Asp	Leu	Gln	Pro	Leu	Leu	Lys	Leu	Ala	Cys	Ser	Asp	Thr	Tyr	Leu
			180					185					190		
Ile	Asn	Leu	Leu	Leu	Val	Ser	Asn	Ser	Gly	Ala	Ile	Cys	Thr	Val	Ser
		195					200					205			
Phe	Leu	Val	Leu	Met	Phe	Ser	Tyr	Val	Ile	Ile	Leu	His	Ser	Leu	Arg
		210				215					220				
Asn	His	Ser	Ala	Glu	Gly	Arg	Arg	Lys	Ala	Leu	Ser	Thr	Cys	Ile	Ser
					230					235					240
His	Ile	Ile	Val	Val	Ile	Leu	Phe	Phe	Gly	Pro	Cys	Ile	Phe	Ile	Tyr
				245					250					255	
Thr	Arg	Pro	Ala	Thr	Thr	Phe	Pro	Met	Asp	Lys	Met	Ile	Ser	Ile	Phe
			260					265					270		
Tyr	Ser	Ile	Gly	Thr	Pro	Leu	Leu	Asn	Pro	Leu	Ile	Tyr	Thr	Leu	Arg
		275					280					285			
Asn	Ala	Glu	Val	Lys	Asn	Ala	Met	Lys	Lys	Leu	Trp	Arg	Lys	Lys	Ile

290		295		300
Val	Ser	Asp	Asp	Lys
305				Lys
				310

<210> 1980
 <211> 308
 <212> PRT
 <213> Mus musculus

<400> 1980

Met	Ala	Trp	Ser	Asn	His	Ser	Val	Ile	Thr	Glu	Phe	Val	Leu	Thr	Gly
1				5					10					15	
Leu	Ser	Asp	Asp	Pro	Leu	Ile	Pro	Ala	Leu	Leu	Phe	Ala	Leu	Phe	Leu
			20					25					30		
Gly	Ile	Tyr	Val	Leu	Thr	Met	Thr	Gly	Asn	Leu	Thr	Met	Leu	Leu	Val
		35					40					45			
Ile	Thr	Ala	Asp	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser
	50					55					60				
Asn	Leu	Ser	Phe	Val	Asp	Leu	Cys	Phe	Ser	Ser	Val	Thr	Val	Pro	Lys
65					70				75						80
Leu	Leu	Lys	Asp	Leu	Leu	Ser	Ala	Lys	Lys	Thr	Ile	Ser	Ile	Glu	Gly
				85					90					95	
Cys	Leu	Ala	Gln	Val	Phe	Phe	Val	Phe	Phe	Ser	Ser	Gly	Thr	Glu	Ala
			100					105					110		
Cys	Leu	Leu	Ser	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Ala	Ala	Ile	Cys	His
			115				120					125			
Pro	Leu	Leu	Tyr	Gly	Gln	Val	Met	Arg	Asn	Glu	Leu	Cys	Val	Arg	Leu
	130					135					140				
Val	Val	Ile	Ser	Trp	Gly	Val	Ala	Ser	Leu	Asn	Ala	Thr	Ile	Ile	Val
145					150					155					160
Leu	Leu	Ala	Val	Asn	Leu	Asp	Phe	Cys	Gly	Ala	Gln	Thr	Ile	His	His
				165					170					175	
Tyr	Thr	Cys	Glu	Leu	Pro	Ala	Leu	Phe	Pro	Leu	Ser	Cys	Ser	Asp	Ile
			180					185					190		
Ser	Ile	Thr	Val	Val	Val	Leu	Leu	Cys	Ser	Ser	Leu	Leu	His	Gly	Leu
		195				200						205			
Gly	Thr	Phe	Ile	Pro	Ile	Phe	Phe	Ser	Tyr	Ala	Arg	Ile	Val	Ser	Ala
	210					215					220				
Ile	Leu	Ser	Ile	Ser	Ser	Thr	Thr	Gly	Arg	Ser	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Ser	Ser	His	Leu	Ala	Ala	Val	Thr	Leu	Phe	Phe	Gly	Ser	Gly	Phe
				245					250					255	
Leu	Cys	Tyr	Leu	Met	Pro	Pro	Ser	Gly	Ser	Ser	Leu	Asp	Leu	Leu	Leu
			260					265					270		
Ser	Leu	Gln	Tyr	Ser	Ala	Val	Thr	Pro	Met	Leu	Asn	Pro	Leu	Ile	Tyr
		275					280					285			
Ser	Leu	Lys	Asn	Gln	Glu	Val	Lys	Ala	Ala	Val	Gln	Arg	Thr	Leu	Arg
	290					295					300				
Lys	Tyr	Leu	Leu												
305															

<210> 1981
 <211> 306
 <212> PRT
 <213> Mus musculus

<400> 1981

Met	Val	Asn	Gln	Ser	Ser	Pro	Val	Val	Phe	Phe	Met	Leu	Gly	Phe	Ser
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Glu	His	Pro	Gln	Leu	Glu	Lys	Val	Leu	Phe	Val	Val	Val	Leu	Cys	Ser
			20					25					30		
Tyr	Leu	Leu	Thr	Leu	Leu	Gly	Asn	Thr	Leu	Ile	Leu	Leu	Leu	Ser	Thr
		35					40					45			
Leu	Asp	Pro	Arg	Leu	His	Ser	Pro	Met	Tyr	Phe	Phe	Leu	Ser	Asn	Leu
	50					55					60				
Ser	Phe	Leu	Asp	Leu	Cys	Phe	Thr	Thr	Thr	Cys	Val	Pro	Gln	Met	Leu
65					70					75					80
Phe	Asn	Leu	Trp	Gly	Pro	Ala	Lys	Thr	Ile	Ser	Phe	Leu	Gly	Cys	Phe
				85					90					95	
Val	Gln	Leu	Phe	Ile	Phe	Met	Ser	Leu	Gly	Thr	Thr	Glu	Cys	Ile	Leu
			100					105					110		
Leu	Thr	Val	Met	Ala	Phe	Asp	Arg	Tyr	Val	Ala	Val	Cys	Gln	Pro	Leu
		115					120					125			
His	Tyr	Ala	Thr	Lys	Ile	Asn	Pro	His	Leu	Cys	Arg	Gln	Leu	Ala	Gly
	130					135					140				
Ile	Ala	Trp	Ala	Ile	Gly	Leu	Val	Gln	Ser	Ile	Val	Gln	Thr	Pro	Pro
145					150					155					160
Thr	Leu	Lys	Leu	Pro	Phe	Cys	Ser	Tyr	Arg	Gln	Ile	Asp	Asn	Phe	Leu
				165					170					175	
Cys	Glu	Val	Pro	Ser	Leu	Ile	Gln	Leu	Ser	Cys	Gly	Asp	Thr	Thr	Tyr
			180					185					190		
Asn	Glu	Ile	Gln	Met	Ala	Val	Ala	Ser	Ile	Phe	Ile	Val	Val	Val	Pro
		195					200					205			
Leu	Ser	Leu	Ile	Leu	Val	Ser	Tyr	Gly	Ala	Ile	Ala	Arg	Ala	Val	Leu
	210					215					220				
Lys	Ile	Ser	Ser	Ala	Lys	Gly	Arg	Arg	Lys	Ala	Phe	Gly	Thr	Cys	Ser
225					230					235					240
Ser	His	Leu	Ile	Val	Val	Thr	Leu	Phe	Tyr	Ser	Ser	Val	Ile	Ala	Val
				245					250					255	
Tyr	Leu	Gln	Pro	Lys	Asn	Pro	Tyr	Ala	Arg	Glu	Arg	Gly	Lys	Phe	Phe
			260					265					270		
Gly	Leu	Phe	Tyr	Ala	Val	Gly	Thr	Pro	Thr	Leu	Asn	Pro	Leu	Val	Tyr
		275					280					285			
Thr	Leu	Arg	Asn	Lys	Gly	Gly	Lys	Lys	Ser	Ile	Leu	Glu	Ala	Ala	Lys
	290					295					300				
Glu	Arg														
305															

<210> 1982
 <211> 314
 <212> PRT
 <213> Mus musculus

<400> 1982

Met	Gly	Gln	Arg	Ser	Asn	Val	Thr	Glu	Phe	Ile	Leu	Leu	Gly	Leu	Thr
1				5					10					15	
Gln	Asp	His	Val	Gly	Gln	Arg	Ala	Leu	Phe	Val	Met	Phe	Leu	Leu	Ile
			20					25					30		
Tyr	Ile	Val	Thr	Ile	Val	Gly	Asn	Leu	Leu	Ile	Val	Gly	Thr	Val	Ile
		35					40					45			
Ala	Ser	Pro	Ser	Leu	Gly	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ala	Tyr	Leu
	50					55					60				
Ser	Leu	Leu	Asp	Ala	Val	Tyr	Ser	Thr	Ala	Ile	Ser	Pro	Lys	Leu	Met
65					70					75					80
Val	Asp	Leu	Leu	Cys	Asp	Arg	Lys	Thr	Ile	Ser	Phe	Ser	Ala	Cys	Met

				85					90					95			
Thr	Gln	Leu	Phe	Leu	Glu	His	Leu	Leu	Gly	Gly	Ala	Glu	Val	Phe	Leu		
			100						105					110			
Leu	Met	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu		
		115					120					125					
His	Tyr	Leu	Ile	Ile	Met	Asn	Arg	Arg	Val	Cys	Phe	Leu	Leu	Leu	Val		
	130					135					140						
Val	Ser	Trp	Ala	Gly	Gly	Leu	Ala	His	Ser	Val	Ala	Gln	Leu	Leu	Phe		
145				150						155					160		
Val	Tyr	Asn	Leu	Pro	Phe	Cys	Gly	Pro	Asn	Val	Ile	Asp	His	Phe	Ile		
			165						170					175			
Cys	Asp	Met	Tyr	Pro	Leu	Leu	Gly	Leu	Ala	Cys	Thr	Asp	Thr	His	Ile		
		180						185					190				
Ile	Gly	Leu	Thr	Val	Val	Ala	Asn	Gly	Gly	Ala	Ile	Cys	Met	Leu	Val		
	195						200					205					
Phe	Ile	Ile	Leu	Ile	Ile	Ser	Tyr	Gly	Ile	Ile	Leu	Arg	Ser	Leu	Lys		
	210					215					220						
Thr	His	Ser	Gln	Glu	Gly	Arg	Gln	Lys	Ala	Leu	Ser	Thr	Cys	Ser	Ser		
225				230						235					240		
His	Ile	Met	Val	Val	Val	Leu	Phe	Phe	Val	Pro	Cys	Ile	Phe	Met	Tyr		
			245						250					255			
Val	Arg	Pro	Val	His	Asn	Phe	Pro	Ile	Asp	Lys	Ser	Ile	Thr	Val	Phe		
		260						265						270			
Tyr	Thr	Ile	Val	Thr	Pro	Ile	Leu	Asn	Pro	Leu	Ile	Tyr	Ala	Leu	Arg		
	275					280					285						
Asn	Ser	Glu	Met	Lys	Arg	Ser	Met	Glu	Asn	Leu	Leu	Tyr	Lys	Val	Phe		
	290					295					300						
Pro	Arg	Asp	Lys	Ile	Thr	Met	Ser	Phe	His								
305					310												

<210> 1983

<211> 313

<212> PRT

<213> Mus musculus

<400> 1983

Met	Glu	Leu	His	Ser	Pro	Pro	Ser	Asn	Val	Thr	Glu	Phe	Val	Leu	Leu		
1				5					10					15			
Gly	Leu	Thr	Gln	Asn	Pro	Arg	Leu	Gln	Lys	Ile	Leu	Phe	Ile	Val	Phe		
			20					25					30				
Leu	Phe	Val	Phe	Leu	Phe	Thr	Val	Leu	Ala	Asn	Leu	Leu	Ile	Val	Leu		
		35					40					45					
Thr	Ile	Ser	Phe	Ser	Pro	Thr	Leu	Ser	Ala	Pro	Met	Tyr	Phe	Phe	Leu		
	50					55					60						
Thr	Tyr	Leu	Ser	Phe	Ile	Asp	Ala	Phe	Tyr	Thr	Ser	Val	Thr	Thr	Pro		
65					70					75					80		
Lys	Met	Ile	Ile	Asp	Leu	Leu	Tyr	Gln	Arg	Arg	Thr	Ile	Ser	Leu	Ala		
				85					90					95			
Gly	Cys	Leu	Thr	Gln	Leu	Phe	Val	Glu	His	Phe	Leu	Gly	Gly	Ser	Glu		
			100					105					110				
Ile	Ile	Leu	Leu	Ile	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys		
	115						120					125					
Lys	Pro	Leu	His	Tyr	Met	Thr	Ile	Met	Arg	Gln	Gly	Leu	Cys	Arg	Leu		
	130					135					140						
Leu	Val	Val	Val	Ala	Trp	Ile	Gly	Gly	Ile	Leu	His	Ala	Thr	Met	Gln		
145					150					155					160		
Ile	Phe	Phe	Met	Ile	Asn	Leu	Pro	Phe	Cys	Gly	Pro	Asn	Val	Ile	Asp		
				165					170					175			

His	Phe	Met	Cys	Asp	Leu	Phe	Pro	Leu	Leu	Lys	Leu	Ala	Cys	Arg	Asp
			180					185					190		
Thr	His	Lys	Leu	Gly	Ile	Ile	Val	Ala	Ala	Asn	Ser	Gly	Ala	Met	Cys
		195					200					205			
Phe	Leu	Ile	Phe	Thr	Met	Leu	Leu	Ile	Ser	Tyr	Ile	Val	Ile	Leu	Arg
	210					215					220				
Ser	Leu	Lys	Ser	His	Ser	Glu	Gly	Arg	Arg	Lys	Ala	Leu	Ser	Thr	
225					230				235					240	
Cys	Gly	Ser	His	Phe	Thr	Val	Val	Val	Leu	Phe	Phe	Val	Pro	Cys	Ile
				245					250					255	
Phe	Thr	Tyr	Met	Arg	Pro	Val	Thr	Thr	Tyr	Pro	Val	Asp	Lys	Leu	Val
			260					265					270		
Thr	Val	Phe	Phe	Ala	Ile	Leu	Thr	Pro	Met	Leu	Asn	Pro	Ile	Ile	Tyr
		275					280					285			
Thr	Ala	Arg	Asn	Thr	Glu	Val	Lys	Asn	Ala	Met	Arg	Asn	Leu	Leu	Lys
	290					295					300				
Arg	Gln	Val	Thr	Tyr	Pro	Val	Leu	Lys							
305					310										

<210> 1984

<211> 316

<212> PRT

<213> Mus musculus

<400> 1984

Met	Glu	Pro	Trp	Asn	Ser	Thr	Leu	Gly	Ser	Gly	Phe	Ile	Leu	Val	Gly
1				5					10					15	
Ile	Leu	Asp	Gly	Ser	Gly	Ser	Pro	Glu	Leu	Leu	Cys	Ala	Thr	Ile	Ala
		20						25					30		
Ala	Leu	Tyr	Met	Leu	Ala	Leu	Ile	Ser	Asn	Gly	Met	Leu	Ile	Leu	Val
		35					40					45			
Ile	Thr	Met	Asp	Ile	Tyr	Leu	His	Val	Pro	Met	Tyr	Leu	Leu	Leu	Glu
	50					55					60				
Gln	Leu	Ser	Leu	Met	Asp	Leu	Leu	Leu	Ala	Ser	Val	Ile	Ser	Pro	Lys
65					70					75					80
Ala	Val	Met	Asp	Phe	Leu	Leu	Lys	Asp	Asn	Thr	Ile	Thr	Phe	Gly	Gly
				85					90					95	
Cys	Ala	Leu	Gln	Met	Phe	Leu	Glu	Leu	Ala	Leu	Gly	Ser	Ala	Glu	Asp
			100					105					110		
Leu	Leu	Leu	Ala	Phe	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	His
		115					120					125			
Pro	Leu	Asn	Tyr	Met	Ile	Phe	Met	Arg	Pro	Ser	Ile	Cys	Trp	Leu	Met
	130					135					140				
Val	Ala	Ile	Ser	Trp	Ile	Pro	Ala	Ser	Leu	Ser	Ala	Leu	Gly	Tyr	Thr
145					150					155					160
Ile	Tyr	Thr	Met	Gln	Tyr	Pro	Phe	Cys	Lys	Ser	Arg	Glu	Ile	Arg	His
				165					170					175	
Leu	Phe	Cys	Glu	Ile	Pro	Pro	Leu	Leu	Lys	Leu	Ala	Cys	Ala	Asp	Thr
			180					185					190		
Ser	Arg	Tyr	Gln	Leu	Met	Val	Tyr	Leu	Met	Gly	Val	Thr	Leu	Leu	Ile
		195					200					205			
Pro	Pro	Leu	Ala	Ala	Ile	Leu	Ala	Ser	Tyr	Ser	Leu	Ile	Leu	Phe	Thr
	210					215					220				
Val	Leu	Lys	Met	Pro	Ser	Asn	Glu	Gly	Arg	Lys	Lys	Ala	Leu	Val	Thr
225					230					235					240
Cys	Ser	Ser	His	Leu	Thr	Val	Val	Gly	Met	Tyr	Tyr	Gly	Pro	Leu	Thr
				245					250					255	
Val	Met	Tyr	Ile	Leu	Pro	Ser	Ser	Tyr	His	Ser	Ser	Lys	Gln	Glu	Asn

Ile	Leu	Ser	Phe	Leu	Tyr	Thr	Ile	Val	Thr	Pro	Ala	Leu	Asn	Pro	Leu
		275						265					270		
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Ser	Gly	Ala	Leu	Lys	Arg	Val
	290					295					300				
Leu	Gly	Lys	Arg	Leu	Leu	Ser	Thr	His	Pro	Asn	Phe				
305					310					315					

<210> 1985
 <211> 315
 <212> PRT
 <213> Mus musculus

<400> 1985

Met	Glu	Val	Cys	Asn	Ser	Thr	Leu	Gly	Ser	Gly	Phe	Ile	Leu	Val	Gly
1				5					10					15	
Ile	Leu	Asp	Asp	Ser	Gly	Phe	Pro	Glu	Leu	Leu	Cys	Ala	Thr	Ile	Thr
			20					25					30		
Ala	Leu	Tyr	Phe	Leu	Ala	Ile	Thr	Ser	Asn	Gly	Leu	Leu	Leu	Leu	Val
		35					40					45			
Ile	Thr	Met	Asp	Ala	Arg	Leu	His	Val	Pro	Met	Tyr	Leu	Leu	Leu	Trp
	50					55					60				
Gln	Leu	Ser	Leu	Met	Asp	Leu	Leu	Thr	Ser	Val	Ile	Thr	Pro	Lys	
65					70				75					80	
Ala	Ile	Leu	Asp	Tyr	Leu	Leu	Lys	Asp	Asn	Thr	Ile	Ser	Phe	Gly	Gly
			85					90						95	
Cys	Ala	Leu	Gln	Met	Phe	Leu	Glu	Leu	Thr	Leu	Gly	Ser	Ala	Glu	Asp
			100				105						110		
Leu	Leu	Leu	Ala	Phe	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	His
	115						120					125			
Pro	Leu	Asn	Tyr	Thr	Ile	Leu	Met	Ser	Gln	Lys	Val	Cys	Cys	Leu	Met
	130					135					140				
Ile	Ala	Thr	Ser	Trp	Ile	Leu	Ala	Ser	Leu	Ser	Ala	Leu	Gly	Tyr	Ser
145					150					155					160
Ile	Tyr	Thr	Met	Gln	Tyr	Pro	Phe	Cys	Lys	Ser	Arg	Gln	Ile	Arg	His
			165						170					175	
Leu	Phe	Cys	Glu	Ile	Pro	Pro	Leu	Leu	Lys	Leu	Ala	Cys	Ala	Asp	Thr
			180					185					190		
Ser	Thr	Tyr	Glu	Leu	Met	Val	Tyr	Val	Met	Gly	Val	Thr	Leu	Leu	Ile
		195					200					205			
Pro	Pro	Leu	Ala	Ala	Ile	Leu	Ala	Ser	Tyr	Ser	Leu	Ile	Leu	Phe	Thr
	210					215					220				
Val	Leu	His	Met	Pro	Ser	Asn	Glu	Gly	Arg	Lys	Lys	Ala	Leu	Val	Thr
225					230					235					240
Cys	Ser	Ser	His	Leu	Thr	Val	Val	Gly	Met	Trp	Tyr	Gly	Gly	Ala	Ile
			245						250					255	
Val	Met	Tyr	Val	Leu	Pro	Ser	Ser	Phe	His	Ser	Pro	Lys	Gln	Asp	Asn
			260					265					270		
Ile	Ser	Ser	Val	Phe	Tyr	Thr	Ile	Phe	Thr	Pro	Ala	Leu	Asn	Pro	Leu
	275						280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Thr	Gly	Ala	Leu	Arg	Arg	Val
	290					295					300				
Leu	Gly	Lys	Arg	Phe	Ser	Val	Gln	Ser	Thr	Phe					
305					310					315					

<210> 1986
 <211> 315

<212> PRT

<213> Mus musculus

<400> 1986

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Met Leu Met Ile Gln Trp Asn Asn Trp Thr Arg Asn Ser Asp Phe Ile
 1      5      10
Leu Leu Gly Leu Phe Asp His Ser Pro Leu His Thr Phe Phe Ser
 20      25      30
Leu Ile Leu Gly Ile Phe Phe Met Ala Phe Ile Gly Asn Ser Ile Met
 35      40      45
Val Ile Leu Ile Tyr Leu Asp Ala His Leu His Thr Pro Met Tyr Ile
 50      55      60
Leu Leu Ser Gln Leu Ser Leu Met Asp Leu Met Leu Ile Cys Thr Thr
 65      70      75      80
Val Pro Gln Met Ala Phe Asn Phe Leu Ser Gly Asn Lys Ser Ile Ser
 85      90      95
Met Val Gly Cys Gly Ile Gln Ile Phe Phe Tyr Val Ser Leu Leu Gly
100      105      110
Ala Glu Cys Phe Leu Leu Ala Ala Met Ala Tyr Asp Arg Tyr Val Ala
115      120      125
Ile Cys Tyr Pro Leu Arg Tyr Pro Ile Leu Met Ser Asp Lys Ile Cys
130      135      140
Gly Leu Met Ala Ala Ser Ser Trp Val Leu Gly Ser Leu Asp Gly Ile
145      150      155      160
Ile Glu Val Ala Ala Ala Leu Ser Phe Ser Tyr Cys Gly Ala Arg Glu
165      170      175
Ile Pro His Phe Phe Cys Asp Val Pro Ala Leu Leu Thr Leu Ser Cys
180      185      190
Ser Asn Thr Leu Ile Phe Glu Arg Ile Ile Phe Phe Cys Cys Val Ile
195      200      205
Met Leu Thr Leu Pro Val Ala Ile Ile Ile Ala Ser Tyr Thr Arg Val
210      215      220
Ile Leu Thr Val Leu His Met Ser Ser Ala Glu Ser Arg His Lys Ala
225      230      235      240
Phe Ala Thr Cys Ser Ser His Leu Met Val Val Gly Met Tyr Tyr Gly
245      250      255
Ala Ala Met Phe Ile Tyr Met Arg Pro Ser Ser Gly Arg Ser Pro Thr
260      265      270
Gln Asp Lys Ile Val Ser Ala Phe Tyr Thr Ile Leu Thr Pro Met Leu
275      280      285
Asn Pro Leu Ile Tyr Ser Leu Arg Asn Lys Glu Val Ala Arg Ala Phe
290      295      300
Met Lys Val Leu Gly Ile Asp Lys Ala Ala Ala
305      310      315
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<210> 1987

<211> 312

<212> PRT

<213> Mus musculus

<400> 1987

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Met Glu Gly Thr Asn Arg Ser Val Val Ser Glu Phe Met Phe Val Gly
 1      5      10
Leu Thr Asn Ser Trp Lys Met Gln Val Leu Leu Phe Val Phe Ala Ser
 20      25      30
Val Phe Tyr Met Ala Ser Met Met Gly Asn Ser Leu Ile Ile Phe Thr
 35      40      45
Val Ala Ser Asp Pro His Leu His Ser Pro Met Tyr Phe Leu Leu Ala
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50	55	60
Asn Leu Ser Phe Ile Asp	Leu Gly Val Ser Cys	Val Thr Cys Pro Lys
65	70	80
Met Ile Tyr Asp	Leu Phe Arg Lys His Lys	Val Ile Ser Phe Arg Gly
	85	95
Cys Ile Thr Gln	Ile Phe Phe Ile His Val	Ile Gly Gly Val Glu Val
	100	110
Val Leu Leu Ile	Gly Met Ala Tyr Asp Arg Tyr	Val Ala Ile Cys Lys
	115	125
Pro Leu His Tyr	Leu Thr Ile Met Asn Ala Lys	Met Cys Ile Phe Ile
	130	140
Leu Val Ser Ala Trp	Val Val Gly Leu Met His Ser	Leu Val Gln Phe
145	150	160
Val Tyr Ile Val	Asn Leu Pro Phe Cys Gly	Pro Asn Ile Leu Asp Ser
	165	175
Phe Tyr Cys Asp	Leu Pro Arg Phe Ile Arg	Leu Ala Cys Val Asp Thr
	180	190
Asn Gln Leu Glu	Leu Met Val Ser Ala Asn Ser	Gly Phe Ile Ser Val
	195	205
Gly Ser Phe Phe	Ile Leu Val Ile Ser Tyr Ile	Val Ile Ile Val Thr
	210	220
Val Gln Lys His	Ser Ser Gly Ser Ser Lys	Ala Leu Ser Thr Leu
225	230	240
Ser Ala His Ile	Ser Val Val Val Leu Phe Phe	Gly Pro Leu Ile Phe
	245	255
Val Tyr Thr Trp	Pro Ser Pro Ser Thr His	Leu Asp Lys Tyr Leu Ala
	260	270
Ile Phe Asp Ala	Val Gly Thr Pro Phe Leu Asn	Pro Val Ile Tyr Thr
	275	285
Leu Arg Asn Gln	Asp Met Lys Thr Ala Met Lys	Arg Val Cys Arg Gln
	290	300
Leu Leu Lys Tyr	Gly Lys Ile Ser	
305	310	

<210> 1988

<211> 312

<212> PRT

<213> Mus musculus

<400> 1988

Met Gly Glu Ala Asn Cys Ser Val Val Ser Glu Phe Val Phe Leu Gly	
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Leu Ser Asn Ser Trp Ala Ile Gln Leu Phe Leu Phe Phe Phe Ser Cys	
	20
Ile Phe Tyr Val Ala Ser Leu Leu Gly Asn Phe Leu Ile Val Leu Thr	
	35
Val Thr Ser Asp Pro Gln Leu Gln Ser Pro Met Tyr Phe Leu Leu Gly	
	50
Asn Leu Ser Ile Ile Asp Leu Ile Phe Cys Ser Ser Thr Thr Pro Lys	
65	70
Met Ile Tyr Asp Leu Phe Arg Arg His Lys Thr Ile Ser Phe Gly Gly	
	85
Cys Ile Thr Gln Ile Phe Phe Ile His Ala Val Gly Gly Thr Glu Met	
	100
Val Leu Leu Ile Ala Met Ala Phe Asp Arg Tyr Val Ala Ile Cys Lys	
	115
Pro Leu His Tyr Leu Thr Ile Met Ser Pro Gln Lys Cys Ile Leu Ile	
	130
	135
	140

Leu	Val	Ala	Ser	Trp	Ile	Ile	Gly	Phe	Ile	His	Ser	Val	Thr	Gln	Leu
145					150				155						160
Ser	Phe	Val	Val	Asp	Leu	Pro	Phe	Cys	Gly	Pro	Asn	Glu	Leu	Asp	Ser
				165					170						175
Phe	Phe	Cys	Asp	Leu	Pro	Arg	Phe	Ile	Lys	Leu	Ala	Cys	Val	Asp	Thr
			180					185					190		
Tyr	Thr	Leu	Gly	Phe	Met	Val	Thr	Ala	Asn	Ser	Gly	Phe	Ile	Ser	Val
		195					200					205			
Ala	Ser	Phe	Leu	Ile	Leu	Ile	Ile	Ser	Tyr	Ile	Phe	Ile	Leu	Val	Thr
	210					215					220				
Val	Gln	Lys	Lys	Ser	Leu	Gly	Ser	Leu	Gly	Lys	Ala	Leu	Ser	Thr	Leu
225					230					235					240
Ser	Ala	His	Val	Ile	Val	Val	Val	Leu	Phe	Phe	Gly	Pro	Leu	Ile	Phe
				245					250						255
Phe	Tyr	Thr	Trp	Pro	Phe	Pro	Thr	Ser	His	Leu	Asp	Lys	Phe	Leu	Ala
			260					265					270		
Ile	Phe	Asp	Ala	Val	Ile	Thr	Pro	Phe	Leu	Asn	Pro	Val	Ile	Tyr	Thr
		275					280					285			
Leu	Arg	Asn	Lys	Glu	Met	Lys	Val	Ala	Met	Arg	Arg	Leu	Cys	Ser	Gln
	290					295					300				
Phe	Val	Asn	Tyr	Asn	Lys	Ile	Ser								
305					310										

<210> 1989

<211> 316

<212> PRT

<213> Mus musculus

<400> 1989

Met	Asp	Gly	Gly	Asn	His	Ser	Val	Val	Ser	Glu	Phe	Leu	Leu	Leu	Gly
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Leu	Thr	Asn	Ser	Trp	Arg	Ile	Gln	Ile	Leu	Leu	Phe	Leu	Phe	Phe	Thr
			20				25					30			
Val	Phe	Tyr	Val	Ala	Ser	Met	Leu	Gly	Asn	Leu	Leu	Ile	Val	Leu	Thr
			35				40					45			
Ile	Ile	Ser	Asp	His	His	Leu	His	Ser	Pro	Met	Tyr	Phe	Leu	Leu	Ala
	50					55					60				
Asn	Leu	Ser	Phe	Ile	Asp	Thr	Gly	Val	Ser	Ser	Ile	Ala	Thr	Pro	Lys
65					70					75					80
Met	Ile	Tyr	Asp	Leu	Phe	Arg	Lys	His	Lys	Val	Ile	Ser	Leu	Asn	Gly
				85					90					95	
Cys	Ile	Thr	Gln	Met	Phe	Phe	Ile	His	Thr	Val	Gly	Gly	Thr	Glu	Met
			100					105					110		
Val	Leu	Leu	Ile	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Ile	Ala	Ile	Cys	Lys
		115				120						125			
Pro	Leu	His	Tyr	Leu	Thr	Ile	Met	Ser	Leu	Arg	Met	Cys	Ile	Val	Leu
	130					135					140				
Leu	Ala	Leu	Ala	Trp	Ile	Ile	Gly	Leu	Ile	His	Ser	Val	Ala	Gln	Leu
145					150					155					160
Ala	Phe	Val	Val	Asn	Leu	Pro	Phe	Cys	Gly	Ala	Asn	Lys	Met	Asp	Ser
				165					170					175	
Phe	Tyr	Cys	Asp	Phe	Pro	Arg	Phe	Ile	Lys	Leu	Ala	Cys	Thr	Asp	Thr
			180					185					190		
Tyr	Arg	Leu	Glu	Phe	Leu	Val	Thr	Ala	Asn	Ser	Gly	Phe	Ile	Ser	Met
		195					200					205			
Ala	Thr	Phe	Phe	Ile	Leu	Ile	Val	Ser	Tyr	Ile	Phe	Ile	Leu	Val	Thr
	210					215					220				
Val	Arg	Lys	His	Ser	Ser	Gly	Ala	Ser	Ser	Lys	Ala	Leu	Ser	Thr	Leu

225					230					235				240	
Ser	Ala	His	Ile	Thr	Val	Val	Val	Phe	Phe	Phe	Gly	Pro	Cys	Ile	Ile
				245					250					255	
Val	Tyr	Val	Trp	Pro	Phe	Pro	Thr	Leu	Pro	Ile	Asp	Lys	Phe	Leu	Ala
			260					265					270		
Ile	Phe	Asp	Ala	Ile	Ile	Thr	Pro	Ser	Met	Asn	Pro	Val	Ile	Tyr	Thr
		275					280					285			
Leu	Arg	Asn	Lys	Glu	Met	Lys	Val	Ala	Met	Arg	Arg	Leu	Phe	Ala	Arg
	290					295					300				
Ala	Leu	Ser	Phe	Ile	Asp	Ser	Leu	Arg	Asp	Ser	Asn				
305					310					315					

<210> 1990

<211> 320

<212> PRT

<213> Mus musculus

<400> 1990

Met	Met	Ile	Leu	Met	Ser	Glu	Ala	Met	Tyr	Gly	Met	Asn	Cys	Ser	Val
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Val	Ser	Glu	Phe	Val	Phe	Leu	Gly	Ile	Thr	Asn	Ile	Trp	Glu	Val	Gln
			20					25					30		
Phe	Leu	Leu	Phe	Phe	Phe	Thr	Leu	Leu	Phe	Tyr	Phe	Ala	Ser	Met	Ile
		35					40					45			
Gly	Asn	Leu	Val	Ile	Val	Leu	Thr	Val	Thr	Leu	Asp	Pro	His	Leu	Asn
	50					55				60					
Ser	Pro	Leu	Tyr	Phe	Leu	Leu	Ala	Asn	Leu	Ser	Val	Ile	Asp	Met	Ile
65					70					75					80
Phe	Cys	Ser	Ile	Thr	Ala	Pro	Lys	Met	Ile	Cys	Asp	Ile	Phe	Lys	Lys
				85					90					95	
His	Lys	Thr	Ile	Ser	Phe	Trp	Gly	Cys	Ile	Thr	Gln	Ile	Phe	Phe	Ser
			100					105					110		
His	Ala	Val	Gly	Gly	Thr	Glu	Met	Val	Leu	Leu	Ile	Ala	Met	Ala	Phe
			115				120					125			
Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu	His	Tyr	Leu	Ile	Ile	Met
	130					135					140				
Ser	Pro	Arg	Val	Cys	Leu	Phe	Phe	Leu	Ile	Thr	Ser	Trp	Val	Ile	Gly
145					150					155					160
Leu	Ile	His	Ser	Val	Val	Gln	Leu	Val	Phe	Val	Val	Asp	Leu	Pro	Phe
				165					170					175	
Cys	Gly	Pro	Asn	Thr	Leu	Asp	Ser	Phe	Tyr	Cys	Asp	Leu	Pro	Arg	Leu
			180					185					190		
Leu	Arg	Leu	Ala	Cys	Thr	Asn	Thr	Gln	Glu	Leu	Glu	Leu	Met	Val	Thr
		195					200					205			
Val	Asn	Ser	Gly	Leu	Ile	Ser	Val	Gly	Ser	Phe	Leu	Leu	Leu	Val	Ile
	210					215					220				
Ser	Tyr	Ile	Phe	Ile	Leu	Phe	Thr	Val	Trp	Lys	His	Ser	Ser	Cys	Gly
225					230					235					240
Leu	Ser	Lys	Ala	Leu	Ser	Thr	Leu	Ser	Ala	His	Ile	Thr	Val	Val	Ile
				245					250					255	
Leu	Phe	Phe	Gly	Pro	Leu	Met	Phe	Phe	Tyr	Thr	Trp	Pro	Ser	Pro	Thr
			260					265					270		
Ser	His	Leu	Asp	Lys	Tyr	Leu	Ala	Ile	Phe	Asp	Ala	Phe	Ile	Thr	Pro
		275					280					285			
Phe	Leu	Asn	Pro	Val	Ile	Tyr	Thr	Phe	Arg	Asn	Lys	Asp	Met	Lys	Val
	290					295					300				
Ala	Met	Gly	Arg	Leu	Trp	Gly	Tyr	Leu	Arg	His	Tyr	Arg	Lys	Met	Ser
305					310					315					320

<210> 1991
 <211> 310
 <212> PRT
 <213> Mus musculus

<400> 1991

Met	Gly	Asn	Gly	Thr	Thr	Val	Gln	Glu	Phe	Thr	Leu	Glu	Gly	Phe	Pro
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Ala	Val	Gln	His	Leu	Gly	Arg	Leu	Leu	Phe	Ser	Leu	Asn	Leu	Leu	Ala
			20					25					30		
Tyr	Leu	Ala	Ser	Ile	Thr	Gly	Asn	Val	Val	Ile	Val	Ser	Ile	Ile	Cys
		35					40					45			
Thr	Ser	Thr	Arg	Leu	Lys	Ser	Pro	Met	Tyr	Phe	Phe	Leu	Gly	Val	Phe
		50				55					60				
Ser	Phe	Gly	Glu	Ser	Cys	Phe	Thr	Ser	Ala	Val	Ile	Pro	Lys	Leu	Leu
65					70					75					80
Ala	Ile	Phe	Leu	Leu	Gly	Lys	Gln	Thr	Ile	Ser	Phe	Val	Ala	Cys	Phe
				85					90					95	
Ile	Gln	Thr	Phe	Val	Thr	Leu	Phe	Ile	Gly	Ala	Phe	Gly	Phe	Phe	Leu
			100					105					110		
Ile	Ala	Val	Met	Ser	Val	Asp	Arg	Cys	Val	Ala	Ile	Cys	Lys	Pro	Leu
		115					120					125			
His	Tyr	Pro	Thr	Ile	Met	Asp	Leu	Arg	Thr	Cys	Ile	Leu	Leu	Ile	Met
		130				135					140				
Ala	Cys	Leu	Ala	Leu	Thr	Phe	Thr	Leu	Ile	Thr	Trp	Leu	Val	Val	Thr
145					150					155					160
Val	Ser	Arg	Leu	Ser	Phe	Cys	Gly	Pro	His	Val	Ile	Pro	His	Phe	Phe
				165					170					175	
Cys	Asp	Ile	Ser	Pro	Leu	Ile	His	Leu	Ser	Cys	Ser	Asp	Thr	Ser	Ser
			180					185					190		
Ala	Glu	Ala	Leu	Thr	Phe	Ala	Leu	Ala	Leu	Ile	Ile	Leu	Phe	Ser	Ser
		195					200					205			
Leu	Ile	Ile	Thr	Thr	Ile	Ala	Tyr	Ser	Asn	Ile	Val	Ile	Thr	Ile	Val
		210				215					220				
Arg	Leu	Pro	Ser	Ala	Lys	Glu	Arg	Gln	Arg	Ala	Phe	Ser	Thr	Cys	Ser
225					230					235					240
Ser	His	Leu	Ile	Val	Leu	Ser	Leu	Met	Tyr	Gly	Ser	Cys	Val	Phe	Ile
				245					250					255	
Tyr	Val	Lys	Pro	Lys	Gln	Met	Ser	Arg	Leu	Glu	Ser	Asn	Arg	Glu	Ala
			260					265					270		
Ala	Leu	Val	Asn	Thr	Val	Val	Thr	Pro	Leu	Leu	Asn	Pro	Val	Ile	Tyr
		275					280					285			
Thr	Leu	Arg	Asn	Lys	Gln	Val	His	Gln	Ala	Leu	Arg	Glu	Thr	Leu	Ser
		290				295					300				
Arg	Ile	Lys	Ile	Ser	Gly										
305					310										

<210> 1992
 <211> 310
 <212> PRT
 <213> Mus musculus

<400> 1992

Met	Gly	Gln	Glu	Phe	Ile	Asn	Gln	Thr	Trp	Val	Asn	Glu	Phe	Ile	Leu
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Leu	Gly	Leu	Ser	Ser	Asp	Arg	Asn	Thr	Gln	Val	Phe	Leu	Phe	Val	Leu

Leu	Leu	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Val	Cys	Asn
		115					120				125				
Pro	Leu	Arg	Tyr	Thr	Val	Val	Met	Asn	Pro	Arg	Leu	Cys	Met	Gly	Leu
	130					135					140				
Ala	Gly	Val	Ser	Trp	Phe	Val	Gly	Val	Val	Asn	Ser	Ala	Val	Glu	Thr
145					150					155					160
Ala	Val	Thr	Met	Arg	Leu	Pro	Thr	Cys	Gly	His	Asn	Val	Leu	Asn	His
			165						170					175	
Val	Ala	Cys	Glu	Thr	Leu	Ala	Leu	Val	Arg	Leu	Ala	Cys	Val	Asp	Ile
			180					185					190		
Thr	Leu	Asn	Gln	Val	Val	Ile	Leu	Ala	Ser	Ser	Val	Val	Val	Leu	Leu
		195				200						205			
Val	Pro	Cys	Cys	Leu	Val	Ser	Leu	Ser	Tyr	Ala	Tyr	Ile	Val	Thr	Ala
	210					215					220				
Ile	Leu	Lys	Ile	Arg	Ser	Thr	Gln	Gly	Arg	Arg	Lys	Ala	Phe	Gly	Thr
225					230					235					240
Cys	Ala	Ser	His	Leu	Thr	Val	Val	Ser	Met	Ser	Tyr	Gly	Met	Ala	Leu
				245					250					255	
Phe	Thr	His	Met	Glu	Pro	Thr	Ser	Thr	Ala	Ser	Ala	Glu	Gln	Asp	Lys
			260					265					270		
Val	Val	Val	Val	Phe	Tyr	Ala	Val	Val	Thr	Pro	Met	Leu	Asn	Pro	Leu
		275					280					285			
Val	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Ala	Ala	Phe	Ser	Arg	Val
	290					295					300				
Leu	Met	Lys	Ile	Phe	Glu	Ser	Lys	Asn							
305					310										

<210> 1994

<211> 312

<212> PRT

<213> Mus musculus

<400> 1994

Met	Ile	Met	Asn	Asn	Lys	Thr	Val	Ile	Ser	Gln	Phe	Ile	Leu	Leu	Gly
1				5					10					15	
Leu	Pro	Ile	Pro	Gln	Glu	Tyr	Gln	His	Leu	Tyr	Tyr	Ala	Leu	Phe	Leu
			20					25					30		
Ala	Met	Tyr	Leu	Thr	Thr	Val	Leu	Gly	Asn	Leu	Ile	Ile	Ile	Ile	Leu
		35					40					45			
Ile	Ile	Leu	Asp	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Leu	Phe	Leu	Ser
	50					55					60				
Asn	Leu	Ser	Phe	Ser	Asp	Leu	Cys	Phe	Ser	Ser	Val	Thr	Met	Pro	Lys
65					70					75					80
Leu	Leu	Gln	Asn	Met	Gln	Ser	Gln	Asp	Thr	Ser	Ile	Ser	Tyr	Ala	Gly
			85						90					95	
Cys	Leu	Thr	Gln	Met	Tyr	Phe	Leu	Leu	Val	Phe	Gly	Asp	Leu	Glu	Ser
			100					105					110		
Ile	Leu	Leu	Leu	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Val	Cys	Phe
		115					120					125			
Pro	Leu	His	Tyr	Met	Ser	Ile	Met	Ser	Pro	Thr	Leu	Cys	Val	Cys	Leu
	130					135					140				
Leu	Val	Leu	Ser	Trp	Val	Phe	Thr	Val	Leu	Tyr	Ser	Met	Leu	His	Thr
145					150					155					160
Leu	Leu	Leu	Ser	Arg	Leu	Ser	Phe	Cys	Glu	Asp	Asn	Leu	Ile	His	His
			165						170					175	
Phe	Phe	Cys	Asp	Ile	Ser	Ala	Leu	Leu	Lys	Leu	Ala	Cys	Ser	Asp	Ile
			180					185					190		
His	Ile	Asn	Glu	Leu	Met	Ile	Phe	Ile	Met	Gly	Gly	Leu	Val	Ser	Ile

Ile	Pro	Phe	Leu	Leu	Ile	Val	Val	Ser	Tyr	Ile	Gln	Ile	Val	Tyr	Ser
210						215					220				
Ile	Leu	Lys	Ile	Ser	Ser	Ala	His	Val	Leu	His	Lys	Ile	Phe	Ser	Thr
225					230					235					240
Cys	Gly	Ser	His	Leu	Ser	Val	Val	Ser	Leu	Phe	Tyr	Gly	Thr	Ile	Phe
				245					250					255	
Ala	Leu	Tyr	Leu	Cys	Pro	Ser	Ala	Asn	Asn	Ser	Thr	Val	Lys	Glu	Ile
			260					265					270		
Ser	Met	Ala	Met	Met	Cys	Thr	Val	Val	Thr	Pro	Met	Leu	Asn	Pro	Phe
		275					280						285		
Ile	Tyr	Ser	Leu	Arg	Asn	Arg	Asp	Met	Arg	Asp	Ala	Leu	Phe	Gly	Val
290					295						300				
Leu	Gly	Lys	Lys	Lys	Ile	Ser	Leu								
305					310										

<210> 1995

<211> 310

<212> PRT

<213> Mus musculus

<400> 1995

Met	Arg	Asn	Phe	Ser	Val	Val	Thr	Gln	Phe	Ile	Leu	Leu	Gly	Ile	Pro
1				5					10					15	
His	Thr	Glu	Gly	Val	Glu	Ile	Met	Leu	Phe	Val	Leu	Phe	Leu	Ser	Phe
			20					25					30		
Tyr	Ile	Phe	Thr	Leu	Val	Gly	Asn	Leu	Leu	Ile	Leu	Phe	Ala	Ile	Val
		35					40					45			
Ser	Ser	Ser	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Cys	Gln	Leu
	50					55					60				
Ser	Val	Cys	Asp	Ile	Phe	Phe	Pro	Ser	Val	Ser	Ser	Pro	Lys	Met	Leu
65				70					75					80	
Phe	Tyr	Leu	Ser	Gly	Asn	Ser	Arg	Ala	Ile	Ser	Tyr	Thr	Gly	Cys	Val
				85					90					95	
Cys	Gln	Leu	Phe	Phe	Tyr	His	Phe	Leu	Gly	Cys	Thr	Glu	Cys	Phe	Leu
			100					105					110		
Tyr	Thr	Val	Met	Ala	Tyr	Asp	Arg	Phe	Ile	Ala	Ile	Cys	Phe	Pro	Leu
		115					120					125			
Arg	Tyr	Ser	Ile	Ile	Met	Asn	His	Lys	Val	Cys	Ala	Ile	Met	Ala	Val
		130				135					140				
Gly	Thr	Ser	Phe	Phe	Gly	Cys	Ile	Gln	Ala	Thr	Phe	Leu	Thr	Thr	Leu
145					150				155					160	
Thr	Phe	Gln	Leu	Pro	Tyr	Cys	Gly	Pro	Asn	Glu	Val	Asp	Tyr	Tyr	Phe
				165					170					175	
Cys	Asp	Ile	Pro	Val	Met	Leu	Lys	Leu	Ala	Cys	Ala	Asp	Thr	Ser	Thr
		180						185					190		
Leu	Glu	Met	Val	Gly	Leu	Ile	Ser	Val	Gly	Leu	Met	Pro	Leu	Ser	Cys
		195					200					205			
Phe	Leu	Leu	Ile	Leu	Thr	Ser	Tyr	Ser	Phe	Ile	Leu	Cys	Ser	Ile	Leu
		210				215					220				
Gln	Ile	Arg	Ser	Thr	Glu	Gly	Arg	His	Arg	Ala	Phe	Ser	Thr	Cys	Ser
225					230					235					240
Ala	His	Leu	Thr	Ala	Ile	Leu	Leu	Ala	Phe	Met	Pro	Val	Val	Leu	Ile
				245					250					255	
Tyr	Leu	Gln	Pro	Thr	Pro	Asn	Pro	Trp	Leu	Asn	Ala	Ala	Val	Gln	Val
			260					265					270		
Leu	Asn	Asn	Leu	Val	Thr	Pro	Met	Leu	Asn	Pro	Leu	Ile	Tyr	Ser	Leu
		275					280					285			

Arg	Asn	Lys	Glu	Val	Lys	Cys	Ser	Leu	Lys	Lys	Met	Leu	Gln	Gln	Gly
	290					295					300				
Pro	Ile	Leu	Ser	Lys	Lys										
305					310										

<210> 1996
 <211> 308
 <212> PRT
 <213> Mus musculus

<400> 1996

Met	Gly	Thr	Gly	Asn	His	Ser	Val	Thr	Val	Val	Phe	Val	Leu	Val	Gly
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Leu	Thr	Gln	Gln	Pro	Glu	Leu	Leu	Leu	Pro	Leu	Phe	Ile	Leu	Phe	Leu
			20					25					30		
Gly	Ile	Tyr	Val	Val	Thr	Ala	Val	Gly	Asn	Leu	Gly	Met	Ile	Leu	Leu
		35					40					45			
Ile	Thr	Val	Ser	Pro	Leu	Leu	His	Thr	Pro	Met	Tyr	Tyr	Phe	Leu	Ser
	50					55					60				
Ser	Leu	Ser	Cys	Val	Asp	Leu	Cys	Tyr	Ser	Thr	Val	Ile	Thr	Pro	Lys
65					70					75					80
Met	Leu	Val	Asn	Phe	Leu	Gly	Lys	Lys	Asn	Leu	Ile	Val	Tyr	Ser	Glu
			85						90					95	
Cys	Met	Ala	Gln	Leu	Phe	Phe	Phe	Val	Ile	Phe	Val	Val	Ala	Glu	Gly
			100					105					110		
Tyr	Leu	Leu	Thr	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Arg
		115				120						125			
Pro	Leu	Leu	Tyr	Asn	Val	Ile	Met	Ser	Ser	Arg	Leu	Cys	Ser	Leu	Leu
	130					135					140				
Val	Leu	Val	Ala	Phe	Ile	Leu	Gly	Phe	Val	Ser	Ala	Leu	Ala	His	Thr
145					150					155					160
Ser	Ala	Met	Met	Asn	Leu	Ser	Phe	Cys	Lys	Ser	His	Val	Ile	Ser	His
				165					170					175	
Tyr	Phe	Cys	Asp	Val	Leu	Pro	Leu	Leu	Asn	Leu	Ser	Cys	Ser	Asp	Ile
			180					185					190		
Lys	Leu	Asn	Glu	Leu	Leu	Leu	Phe	Ile	Ile	Ala	Gly	Phe	Asn	Thr	Leu
		195					200					205			
Val	Pro	Thr	Leu	Ala	Val	Ala	Ile	Ser	Tyr	Val	Phe	Ile	Phe	Cys	Ser
	210					215					220				
Ile	Leu	His	Ile	Lys	Ser	Ser	Lys	Gly	Arg	Ser	Lys	Ala	Phe	Gly	Thr
225					230					235					240
Cys	Ser	Ser	His	Leu	Met	Ala	Val	Gly	Ile	Phe	Phe	Gly	Ser	Ile	Thr
				245					250					255	
Phe	Met	Tyr	Phe	Lys	Pro	Pro	Ser	Ser	Asn	Ser	Leu	Glu	Gln	Glu	Lys
			260					265					270		
Val	Ser	Ser	Val	Phe	Tyr	Thr	Thr	Val	Ile	Pro	Met	Leu	Asn	Pro	Leu
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Lys	Ala	Leu	Gly	Lys	Cys
	290					295					300				
Leu	Ala	Gly	Arg												
305															

<210> 1997
 <211> 315
 <212> PRT
 <213> Mus musculus

<400> 1997

Met	Gln	Val	Gln	Met	Ala	Asp	Thr	Asn	His	Ser	Thr	Val	Thr	Glu	Phe
1				5					10					15	
Ile	Leu	Ala	Gly	Leu	Thr	Asp	Lys	Pro	Glu	Leu	Gln	Leu	Pro	Leu	Phe
			20					25					30		
Leu	Leu	Phe	Leu	Gly	Ile	Tyr	Leu	Leu	Thr	Val	Leu	Gly	Asn	Leu	Gly
		35					40					45			
Met	Ile	Ile	Leu	Ile	Leu	Leu	Ser	Ser	His	Leu	His	Thr	Pro	Met	Tyr
	50					55					60				
Phe	Phe	Leu	Ser	Ser	Leu	Ser	Phe	Ile	Asp	Leu	Cys	Tyr	Ser	Thr	Val
65					70					75					80
Ile	Thr	Pro	Lys	Met	Leu	Val	Asn	Phe	Val	Ala	Lys	Lys	Asn	Val	Ile
			85						90					95	
Ser	Tyr	Glu	Glu	Cys	Met	Thr	Gln	Leu	Tyr	Phe	Phe	Leu	Ala	Phe	Val
			100					105						110	
Ile	Ser	Glu	Cys	His	Met	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val
		115					120						125		
Ala	Ile	Cys	Asn	Pro	Leu	Leu	Tyr	Asn	Val	Thr	Met	Ser	Tyr	Gln	Ile
	130					135						140			
Cys	Ser	Trp	Met	Val	Gly	Gly	Val	Tyr	Gly	Met	Gly	Leu	Ile	Gly	Ala
145					150					155					160
Ala	Val	His	Thr	Leu	Cys	Met	Leu	Arg	Val	Val	Phe	Cys	Lys	Ala	Asn
				165					170					175	
Ile	Ile	Asn	His	Tyr	Phe	Cys	Asp	Leu	Phe	Pro	Leu	Met	Glu	Leu	Ala
			180					185					190		
Cys	Ser	Ser	Thr	Tyr	Val	Asn	Glu	Val	Val	Leu	Leu	Cys	Leu	Ser	Ala
		195					200					205			
Phe	Asn	Ile	Phe	Ile	Pro	Thr	Leu	Thr	Ile	Leu	Gly	Ser	Tyr	Ile	Phe
	210					215					220				
Ile	Ile	Ile	Ser	Ile	Leu	Arg	Ile	Lys	Ser	Thr	Glu	Gly	Arg	Phe	Lys
225					230						235				240
Ala	Phe	Ser	Thr	Cys	Ser	Ser	His	Phe	Ser	Ala	Val	Ser	Val	Phe	Phe
				245					250					255	
Gly	Ser	Leu	Ala	Phe	Met	Tyr	Leu	Gln	Pro	Phe	Ser	Val	Ser	Ser	Lys
			260					265					270		
Asp	Lys	Gly	Lys	Val	Ser	Ser	Val	Phe	Tyr	Thr	Thr	Ile	Val	Pro	Met
		275					280					285			
Leu	Asn	Pro	Met	Ile	Tyr	Ser	Leu	Arg	Asn	Arg	Asp	Val	Lys	Leu	Ala
	290					295					300				
Leu	Asn	Lys	Leu	Phe	Gln	Lys	Lys	Phe	His	Val					
305					310					315					

<210> 1998

<211> 311

<212> PRT

<213> Mus musculus

<400> 1998

Met	Ala	Thr	Gly	Asn	Tyr	Cys	Met	Leu	Pro	Glu	Phe	Ile	Leu	Thr	Gly
1				5					10					15	
Leu	Ser	Lys	Lys	Pro	Gln	Leu	Gln	Met	Pro	Leu	Phe	Leu	Leu	Phe	Leu
			20					25					30		
Gly	Ile	Tyr	Val	Val	Thr	Val	Val	Gly	Asn	Leu	Gly	Met	Ile	Thr	Leu
		35					40					45			
Ile	Lys	Leu	Ser	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Tyr	Phe	Leu	Ser
	50					55					60				
Ser	Leu	Ser	Phe	Ile	Asp	Leu	Cys	His	Ser	Thr	Val	Ile	Thr	Pro	Lys
65					70					75					80

Met	Leu	Val	Asn	Phe	Val	Ile	Glu	Lys	Asn	Ile	Ile	Ser	Tyr	Thr	Gly
			85						90					95	
Cys	Met	Ala	Gln	Leu	Tyr	Phe	Phe	Leu	Ile	Phe	Ala	Ile	Ala	Glu	Cys
		100						105					110		
His	Met	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asn
	115						120					125			
Pro	Leu	Leu	Tyr	Asn	Val	Thr	Met	Ser	Tyr	Gln	Ile	Tyr	Thr	Ser	Leu
	130					135					140				
Ile	Phe	Gly	Val	Tyr	Ile	Ile	Gly	Val	Val	Cys	Ala	Ser	Ala	His	Thr
145					150					155				160	
Gly	Phe	Met	Ile	Arg	Ile	Gln	Phe	Cys	Asn	Leu	Glu	Val	Ile	Asn	His
			165						170					175	
Tyr	Phe	Cys	Asp	Leu	Leu	Pro	Leu	Leu	Glu	Leu	Ala	His	Ser	Ser	Thr
			180					185					190		
Tyr	Val	Asn	Glu	Leu	Leu	Val	Leu	Cys	Phe	Gly	Thr	Phe	Asn	Ile	Val
		195					200					205			
Val	Pro	Thr	Met	Thr	Ile	Leu	Thr	Ser	Tyr	Ile	Phe	Ile	Ile	Ala	Asn
	210					215					220				
Ile	Leu	Arg	Ile	Arg	Ser	Thr	Gly	Gly	Arg	Ser	Lys	Ala	Phe	Ser	Thr
225					230					235				240	
Cys	Ser	Ser	His	Ile	Leu	Ala	Val	Ala	Val	Phe	Phe	Gly	Ser	Ala	Ala
			245						250					255	
Phe	Met	Tyr	Leu	Gln	Pro	Ser	Ser	Val	Ser	Ser	Met	Asp	Gln	Gly	Lys
			260					265					270		
Val	Ser	Ser	Val	Phe	Tyr	Thr	Ile	Val	Val	Pro	Met	Leu	Asn	Pro	Leu
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Ser	Val	Ala	Leu	Lys	Lys	Ile
	290					295					300				
Leu	Glu	Arg	Lys	Leu	Phe	Met									
305					310										

<210> 1999
 <211> 315
 <212> PRT
 <213> Mus musculus

<400> 1999

Met	Glu	Glu	Ile	Asn	Asp	Thr	Ser	Val	Ala	Glu	Phe	Ile	Leu	Thr	Gly
1				5					10					15	
Leu	Thr	Glu	Asn	Pro	Glu	Leu	Gln	Leu	Pro	Leu	Phe	Leu	Ile	Phe	Leu
			20					25					30		
Ala	Val	Tyr	Leu	Val	Thr	Val	Val	Gly	Asn	Leu	Gly	Met	Ile	Val	Leu
		35					40					45			
Ile	Leu	Ile	Ser	Ser	Gln	Leu	His	Thr	Pro	Met	Tyr	Tyr	Leu	Leu	Arg
	50					55					60				
Ser	Leu	Ser	Phe	Ile	Asp	Cys	Cys	Gln	Ser	Thr	Val	Ile	Ile	Pro	Lys
65					70					75				80	
Met	Leu	Leu	Asn	Phe	Val	Thr	Glu	Met	Asn	Ile	Ile	Ser	Tyr	Pro	Gln
			85						90					95	
Cys	Ile	Ala	Gln	Phe	Tyr	Phe	Phe	Cys	Ala	Phe	Ala	Val	Ser	Glu	Cys
		100						105					110		
His	Met	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Ser	Asn
	115						120					125			
Pro	Leu	Leu	Tyr	Asn	Val	Thr	Met	Ser	Tyr	Gln	Val	Cys	Ser	Leu	Met
	130					135					140				
Val	Ala	Val	Val	Tyr	Gly	Ile	Gly	Leu	Ile	Ser	Ala	Thr	Ala	His	Thr
145					150					155				160	
Val	Phe	Leu	Leu	Arg	Val	Leu	Phe	Cys	Lys	Ser	Asp	Ile	Ile	Asn	His

				165					170					175			
Tyr	Phe	Cys	Asp	Leu	Phe	Pro	Leu	Leu	Glu	Leu	Ser	Cys	Ser	Ser	Thr		
			180						185				190				
Tyr	Ile	Asn	Glu	Val	Leu	Ala	Leu	Ser	Phe	Ser	Ala	Phe	Asn	Ile	Ile		
		195					200					205					
Val	Pro	Ala	Leu	Thr	Ile	Leu	Ser	Ser	Tyr	Ile	Phe	Ile	Ile	Val	Ser		
	210					215					220						
Val	Leu	His	Ile	Gln	Ser	Thr	Gly	Gly	Arg	Val	Lys	Ala	Phe	Arg	Thr		
225				230					235						240		
Cys	Ser	Ser	His	Ile	Met	Ala	Val	Ala	Ile	Phe	Phe	Gly	Ser	Thr	Val		
			245						250					255			
Phe	Met	Tyr	Leu	Gln	Pro	Ser	Ser	Val	Ser	Ser	Met	Asp	Gln	Gly	Lys		
			260					265					270				
Val	Ser	Ser	Val	Phe	Tyr	Thr	Ile	Val	Val	Pro	Met	Leu	Asn	Pro	Leu		
		275					280					285					
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Arg	Val	Ser	Leu	Lys	Lys	Leu		
	290				295						300						
Leu	Gln	Lys	Ile	Ser	Phe	Leu	Lys	Thr	Lys	Asn							
305					310					315							

<210> 2000

<211> 314

<212> PRT

<213> Mus musculus

<400> 2000

Met	Glu	Glu	Lys	Asn	Gln	Thr	Val	Met	Pro	Glu	Phe	Leu	Phe	Leu	Gly		
1				5				10					15				
Ile	Thr	Asp	Asn	Phe	His	Gln	Lys	Ile	Val	Ile	Phe	Ile	Ile	Phe	Phe		
		20						25				30					
Phe	Val	Tyr	Leu	Val	Thr	Leu	Gly	Asn	Val	Gly	Met	Ile	Ala	Leu			
	35					40				45							
Ile	Trp	Leu	Asp	Pro	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser		
	50					55				60							
Gln	Leu	Ser	Phe	Val	Asp	Val	Ser	Ser	Ser	Ser	Ser	Ile	Ala	Pro	Lys		
65				70					75					80			
Met	Leu	Cys	Asp	Ile	Phe	Ala	Arg	Asn	Lys	Ala	Ile	Ser	Phe	Val	Gly		
			85					90					95				
Cys	Ala	Ala	Gln	Met	Trp	Phe	Phe	Gly	Leu	Phe	Val	Ala	Thr	Glu	Cys		
			100					105				110					
Phe	Leu	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Ala	Ala	Ile	Cys	Lys		
		115					120					125					
Pro	Leu	Leu	Tyr	Thr	Leu	Ile	Met	Ser	Pro	His	Leu	Ser	Val	Leu	Leu		
	130					135					140						
Val	Ile	Gly	Pro	Tyr	Ala	Ile	Ala	Leu	Ile	Ser	Thr	Thr	Thr	His	Thr		
145				150					155					160			
Thr	Leu	Thr	Phe	Cys	Leu	Pro	Phe	Cys	Gly	Pro	Tyr	Ile	Ile	Asn	His		
			165					170					175				
Phe	Phe	Cys	Asp	Ile	Ser	Pro	Leu	Leu	Ser	Leu	Ala	Cys	Ser	Asp	Thr		
			180					185				190					
His	Ile	Asn	Lys	Leu	Val	Leu	Phe	Val	Leu	Ala	Gly	Thr	Val	Gly	Val		
		195					200					205					
Leu	Ser	Gly	Leu	Ile	Ile	Leu	Val	Ser	Tyr	Val	Cys	Ile	Leu	Lys	Ala		
	210					215					220						
Ile	Leu	Lys	Ile	Gln	Thr	Ala	Asn	Gly	Arg	Gln	Lys	Ala	Phe	Ser	Thr		
225				230					235					240			
Cys	Ser	Ser	His	Leu	Ala	Thr	Val	Ser	Ile	Leu	Tyr	Gly	Thr	Leu	Phe		
			245					250					255				

Phe	Ile	Tyr	Val	Arg	Pro	Asn	Val	Ser	Ser	Ser	Leu	Asn	Ile	Asn	Lys
			260					265				270			
Val	Ile	Ser	Leu	Phe	Tyr	Thr	Met	Val	Ile	Pro	Met	Leu	Asn	Pro	Leu
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Gln	Glu	Val	Lys	Asn	Ala	Phe	Arg	Arg	Thr
	290					295					300				
Leu	Glu	Lys	Lys	His	Phe	Leu	Thr	Gly	Ala						
305					310										

<210> 2001

<211> 314

<212> PRT

<213> Mus musculus

<400> 2001

Met	Glu	Glu	Lys	Asn	Gln	Thr	Ile	Val	Met	Glu	Phe	Phe	Phe	Leu	Gly
1				5					10					15	
Leu	Thr	Asp	His	Leu	Tyr	Gln	Lys	Ile	Ala	Leu	Phe	Ile	Thr	Ile	Leu
			20					25					30		
Phe	Val	Tyr	Leu	Val	Thr	Leu	Gly	Gly	Asn	Leu	Gly	Met	Ile	Thr	Leu
		35					40					45			
Ile	Trp	Ala	Asp	Pro	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser
	50					55					60				
His	Leu	Ser	Phe	Val	Asp	Met	Cys	Ser	Ser	Ser	Ser	Ile	Ala	Pro	Lys
65					70					75					80
Met	Leu	Cys	Asp	Ile	Phe	Ala	Glu	Glu	Lys	Arg	Ile	Ser	Phe	Met	Gly
				85					90					95	
Cys	Ala	Ala	Gln	Met	Trp	Phe	Phe	Gly	Phe	Phe	Val	Gly	Thr	Glu	Cys
			100					105					110		
Phe	Leu	Leu	Ala	Ser	Met	Ala	Tyr	Asp	Arg	Tyr	Thr	Ala	Ile	Cys	Lys
		115						120				125			
Pro	Leu	Leu	Tyr	Thr	Leu	Leu	Met	Ser	Gln	Arg	Val	Cys	Val	His	Leu
	130					135					140				
Val	Val	Gly	Pro	Tyr	Val	Phe	Ala	Ile	Ile	Asn	Ile	Thr	Thr	His	Thr
145					150					155					160
Thr	Leu	Ala	Phe	Cys	Leu	Pro	Phe	Cys	Gly	Ser	Asn	Thr	Ile	Asn	His
				165					170					175	
Phe	Phe	Cys	Asp	Val	Ser	Pro	Leu	Leu	Ser	Leu	Ala	Cys	Ala	Asp	Ser
			180					185					190		
Trp	Val	Asn	Lys	Val	Val	Leu	Phe	Val	Leu	Ser	Gly	Ala	Ile	Gly	Val
		195					200					205			
Phe	Ser	Gly	Leu	Ile	Ile	Ile	Val	Ser	Tyr	Val	Ser	Ile	Leu	Met	Thr
	210					215					220				
Ile	Phe	Lys	Ile	Gln	Thr	Ala	Asp	Gly	Lys	Gln	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Ser	Ser	His	Leu	Ala	Ala	Val	Ser	Ile	Leu	Tyr	Gly	Thr	Leu	Phe
				245					250					255	
Phe	Ile	Tyr	Val	Arg	Pro	Ser	Ala	Ser	Phe	Ser	Leu	Asn	Ile	Asn	Lys
			260					265					270		
Met	Ile	Ser	Leu	Phe	Tyr	Thr	Val	Val	Ile	Pro	Met	Leu	Asn	Pro	Leu
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Lys	Gly	Ala	Phe	Arg	Arg	Lys
	290					295					300				
Val	Gln	Lys	Lys	His	Phe	Pro	Ala	Gly	Arg						
305					310										

<210> 2002

<211> 314
 <212> PRT
 <213> Mus musculus

<400> 2002

Met	Ile	Gln	Tyr	Asn	Glu	Thr	Glu	Val	Lys	Gly	Phe	Tyr	Leu	Leu	Gly
1				5					10					15	
Phe	Gly	Val	Gln	His	Asp	Ile	Gln	Cys	Phe	Leu	Phe	Ile	Val	Phe	Leu
			20					25					30		
Ile	Ile	Tyr	Met	Thr	Ser	Met	Val	Gly	Asn	Thr	Gly	Met	Ile	Leu	Leu
		35					40					45			
Ile	His	Thr	Asp	Ser	Arg	Leu	Gln	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Gln
	50					55					60				
His	Leu	Ala	Phe	Val	Asp	Ile	Cys	Tyr	Thr	Ser	Ala	Ile	Thr	Pro	Lys
65					70					75					80
Met	Leu	Gln	Thr	Phe	Val	Val	Glu	Asp	Arg	Tyr	Ile	Ser	Phe	Gly	Gly
				85					90					95	
Cys	Val	Val	Gln	Leu	Leu	Ile	Tyr	Ala	Ile	Phe	Ala	Thr	Cys	Asp	Cys
			100					105					110		
Tyr	Leu	Leu	Ala	Ala	Met	Ala	Val	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys
		115					120					125			
Pro	Leu	Arg	Tyr	Pro	Ile	Leu	Met	Ser	Arg	Lys	Val	Cys	Ile	Gln	Met
	130					135						140			
Val	Ala	Gly	Ser	Tyr	Leu	Ile	Gly	Ser	Ile	Asn	Ser	Ser	Val	His	Thr
145					150					155					160
Gly	Phe	Thr	Phe	Ser	Leu	Ser	Tyr	Cys	Lys	Ser	Asn	His	Ile	Asn	His
				165					170					175	
Phe	Phe	Cys	Asp	Val	Pro	Pro	Ile	Ile	Ser	Leu	Ser	Cys	Ser	Asn	Ile
			180					185					190		
Glu	Thr	Asn	Ile	Lys	Ile	Leu	Val	Ile	Phe	Val	Gly	Phe	Asn	Leu	Ile
		195					200					205			
Phe	Thr	Val	Leu	Val	Val	Ile	Phe	Ser	Tyr	Met	Tyr	Ile	Met	Ala	Ala
	210					215					220				
Ile	Leu	Lys	Met	Ser	Ser	Thr	Ala	Gly	Arg	Lys	Lys	Thr	Phe	Ser	Thr
225					230					235					240
Cys	Ala	Ser	His	Leu	Thr	Ala	Val	Thr	Ile	Phe	Tyr	Gly	Thr	Leu	Ala
				245					250					255	
Tyr	Met	Tyr	Leu	Gln	Pro	His	Ser	Asp	Asn	Ser	Glu	Glu	Asn	Met	Lys
			260					265					270		
Val	Ala	Ser	Val	Phe	Tyr	Gly	Ile	Val	Ile	Pro	Met	Leu	Asn	Pro	Leu
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Lys	Asp	Ala	Ile	Lys	Leu	Thr
	290				295						300				
Lys	Lys	Lys	Leu	Phe	Arg	Phe	Asp	Thr	Gln						
305					310										

<210> 2003
 <211> 315
 <212> PRT
 <213> Mus musculus

<400> 2003

Met	Ile	Gln	Arg	Asn	Thr	Thr	Glu	Val	Thr	Asp	Phe	Tyr	Leu	Leu	Gly
1				5					10					15	
Phe	Gly	Val	Gln	Lys	Asn	Thr	Gln	Ser	Ile	Leu	Phe	Val	Val	Phe	Leu
			20					25					30		
Val	Val	Tyr	Val	Thr	Ser	Met	Val	Gly	Asn	Thr	Gly	Met	Ile	Leu	Leu
		35					40					45			

Ile	Asn	Thr	Asn	Ser	Arg	Leu	Gln	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Gln
	50					55					60				
Asn	Leu	Ala	Phe	Val	Asp	Ile	Cys	Tyr	Thr	Ser	Ala	Ile	Thr	Pro	Lys
65					70					75					80
Met	Leu	Gln	Asn	Phe	Met	Val	Glu	Asp	Ser	Ser	Ile	Ser	Tyr	Thr	Gly
				85					90					95	
Cys	Val	Ile	Gln	Leu	Leu	Val	Tyr	Ala	Thr	Phe	Ala	Thr	Ser	Asp	Cys
			100					105					110		
Tyr	Leu	Leu	Ala	Val	Met	Ala	Val	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys
		115					120					125			
Pro	Leu	Arg	Tyr	Pro	Ile	Ile	Met	Ser	Arg	Gln	Val	Cys	Val	Gln	Leu
	130					135					140				
Val	Ala	Phe	Ser	Tyr	Leu	Met	Gly	Ser	Ile	Asn	Ser	Ser	Val	His	Thr
145					150					155					160
Gly	Phe	Thr	Phe	Ser	Leu	Ser	Tyr	Cys	Asn	Ser	Lys	Asn	Ile	Asn	His
				165					170					175	
Phe	Phe	Cys	Asp	Val	Val	Pro	Ile	Ile	Ser	Leu	Ser	Cys	Ser	Asn	Ile
			180					185					190		
Asp	Ile	Asn	Ile	Met	Leu	Leu	Val	Ile	Phe	Val	Gly	Phe	Asn	Leu	Thr
	195						200					205			
Phe	Thr	Val	Leu	Val	Ile	Ile	Phe	Ser	Tyr	Ile	Tyr	Ile	Met	Ala	Ala
	210					215						220			
Ile	Leu	Lys	Met	Ser	Ser	Thr	Ala	Gly	Arg	Lys	Lys	Thr	Phe	Ser	Thr
225					230					235					240
Cys	Ala	Ser	His	Leu	Thr	Ala	Val	Thr	Ile	Phe	Tyr	Gly	Thr	Leu	Ala
				245					250					255	
Tyr	Met	Tyr	Leu	Gln	Pro	His	Ser	Asp	Asn	Ser	Glu	Glu	Asn	Met	Lys
			260					265					270		
Val	Ala	Ser	Val	Phe	Tyr	Gly	Ile	Val	Ile	Pro	Met	Leu	Asn	Pro	Leu
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Lys	Glu	Gly	Phe	Lys	Ala	Met
	290					295					300				
Ser	Arg	Arg	Phe	Leu	Arg	Leu	Lys	Ser	Asn	Pro					
305					310					315					

<210> 2004

<211> 314

<212> PRT

<213> Mus musculus

<400> 2004

Met	Thr	Gln	Gly	Asn	Gly	Thr	Glu	Val	Thr	Asp	Phe	Tyr	Leu	Leu	Gly
1				5					10					15	
Phe	Gly	Val	Glu	Arg	Asp	Ile	Gln	Cys	Val	Leu	Phe	Ile	Val	Phe	Leu
			20					25					30		
Val	Ile	Tyr	Val	Thr	Ser	Met	Val	Gly	Asn	Thr	Gly	Met	Ile	Leu	Leu
		35					40					45			
Ile	Asn	Thr	Asp	Ser	Arg	Leu	Gln	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Gln
	50					55					60				
His	Leu	Ala	Phe	Val	Asp	Ile	Cys	Tyr	Thr	Ser	Ala	Ile	Thr	Pro	Lys
65					70					75					80
Met	Leu	Gln	Asn	Phe	Met	Val	Glu	Asp	Lys	Ser	Ile	Thr	Phe	Lys	Gly
				85					90					95	
Cys	Val	Ile	Gln	Leu	Phe	Ile	Tyr	Ala	Val	Phe	Ala	Thr	Ser	Asp	Cys
			100					105					110		
Tyr	Leu	Leu	Ala	Val	Met	Ala	Val	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys
		115					120					125			
Pro	Leu	Arg	Tyr	Pro	Ile	Ile	Met	Ser	Arg	Gln	Val	Cys	Val	Gln	Leu

130	135	140
Val Ala Val Ser Tyr Leu Met Gly Ser Ile Asn Ser Ser Val His Thr		
145	150	155
Gly Phe Thr Phe Ser Leu Ser Phe Cys Ala Ser Lys Ile Asn His Phe		160
	165	170
Phe Cys Asp Ile Pro Pro Ile Val Thr Leu Ser Cys Tyr Asn Asn Asp		175
	180	185
Ile Asn Phe Met Leu Ile Leu Ile Phe Val Gly Phe Asn Leu Thr Phe		190
	195	200
Thr Val Ser Val Val Ile Leu Ser Tyr Ile Tyr Ile Met Ala Ala Ile		205
	210	215
Leu Lys Met Ser Ser Thr Ala Gly Arg Lys Lys Thr Phe Ser Thr Cys		220
225	230	235
Ala Ser His Leu Thr Ala Val Thr Ile Phe Tyr Gly Thr Leu Ala Tyr		240
	245	250
Met Tyr Leu Gln Pro Pro Ser Asp Asn Ser Glu Glu Asn Met Lys Val		255
	260	265
Ala Ser Val Phe Tyr Gly Ile Val Ile Pro Met Leu Asn Pro Leu Ile		270
	275	280
Tyr Ser Leu Arg Asn Lys Glu Val Lys Asp Ala Ile Lys Ala Thr Gly		285
290	295	300
Lys Lys Phe Leu Lys Leu Asp Leu Asn Tyr		
305	310	

<210> 2005

<211> 313

<212> PRT

<213> Mus musculus

<400> 2005

Met Glu Arg Ile Asn Tyr Thr Val Leu Thr Glu Phe Ile Leu Thr Gly	
1	5
Val Pro His Pro Pro Arg Leu Arg Thr Phe Leu Phe Val Phe Phe Leu	
	10
	15
	20
Leu Ile Tyr Ile Leu Thr Gln Leu Gly Asn Ala Leu Ile Leu Ile Thr	
	25
	30
	35
Val Cys Ala Asp Thr Gln Leu His Ala Arg Pro Met Tyr Ile Phe Leu	
50	55
	60
Gly Ala Leu Ser Val Ile Asp Met Gly Ile Ser Thr Ile Ile Val Pro	
65	70
	75
Arg Leu Met Met Asn Phe Thr Pro Gly Ile Lys Pro Ile Pro Phe Gly	
	80
	85
Gly Cys Val Ala Gln Leu Tyr Phe Tyr His Phe Leu Gly Ser Ser Gln	
	90
	95
	100
Cys Phe Leu Tyr Thr Thr Met Ala Tyr Asp Arg Tyr Leu Ala Ile Cys	
115	120
	125
Gln Pro Leu Arg Tyr Pro Val Leu Met Ser Ala Lys Leu Ser Ile Leu	
130	135
	140
Leu Val Ala Gly Ala Trp Val Ala Gly Ser Ile His Gly Ala Ile Gln	
145	150
	155
Ala Ile Leu Thr Phe Arg Leu Pro Tyr Cys Gly Pro Asn Gln Val Asp	
	160
	165
Tyr Phe Phe Cys Asp Ile Pro Ala Val Leu Lys Leu Ala Cys Ala Asp	
	170
	175
	180
Thr Thr Val Asn Glu Leu Val Thr Phe Val Asp Ile Gly Val Val Val	
	185
	190
	195
Ala Ser Cys Phe Ser Leu Ile Leu Leu Ser Tyr Ile Tyr Ile Ile Arg	
210	215
	220

Ala	Ile	Leu	Arg	Ile	Arg	Thr	Ala	Asp	Gly	Arg	Arg	Arg	Ala	Phe	Ser
225					230					235					240
Thr	Cys	Gly	Ala	His	Val	Thr	Ile	Val	Thr	Val	Tyr	Tyr	Val	Pro	Cys
				245					250						255
Ala	Phe	Ile	Tyr	Leu	Arg	Pro	Asp	Ser	His	Ser	Ile	Leu	Asp	Gly	Ala
			260					265					270		
Ala	Ala	Leu	Phe	Pro	Thr	Ala	Ile	Thr	Pro	Phe	Leu	Asn	Pro	Leu	Ile
		275					280					285			
Tyr	Thr	Leu	Arg	Asn	Gln	Glu	Val	Lys	Leu	Ala	Leu	Arg	Arg	Met	Val
	290					295					300				
Gly	Ser	Gln	Ser	Thr	Lys	Ser	Glu	Val							
305					310										

<210> 2006

<211> 318

<212> PRT

<213> Mus musculus

<400> 2006

Met	Arg	Arg	Thr	Arg	Asn	Thr	Ser	Leu	Asp	Ala	Val	Val	Thr	Asp	Phe
1				5					10					15	
Leu	Leu	Leu	Gly	Leu	Ala	His	Pro	Pro	Asn	Leu	Arg	Ala	Phe	Leu	Phe
			20					25					30		
Leu	Val	Phe	Phe	Leu	Ile	Tyr	Ile	Leu	Thr	Gln	Leu	Gly	Asn	Leu	Leu
		35					40					45			
Ile	Leu	Leu	Thr	Val	Trp	Ala	Asp	Pro	Lys	Leu	His	Ala	Arg	Pro	Met
	50					55				60					
Tyr	Ile	Leu	Leu	Gly	Val	Leu	Ser	Phe	Leu	Asp	Met	Trp	Leu	Ser	Ser
65				70					75					80	
Val	Ile	Val	Pro	Arg	Leu	Ile	Leu	Asn	Phe	Thr	Pro	Ala	Ser	Lys	Ala
				85					90					95	
Ile	Pro	Phe	Gly	Gly	Cys	Val	Ala	Gln	Leu	Tyr	Phe	Phe	His	Phe	Leu
			100					105					110		
Gly	Ser	Thr	Gln	Cys	Phe	Leu	Tyr	Thr	Leu	Met	Ala	Tyr	Asp	Arg	Tyr
		115					120					125			
Leu	Ala	Ile	Cys	Gln	Pro	Leu	Arg	Tyr	Pro	Val	Leu	Met	Asn	Gly	Lys
	130					135					140				
Leu	Cys	Thr	Ile	Leu	Val	Ser	Gly	Ala	Trp	Val	Ala	Gly	Ser	Ile	His
145					150					155					160
Gly	Ser	Ile	Gln	Thr	Thr	Leu	Thr	Phe	Arg	Leu	Pro	Tyr	Cys	Gly	Pro
			165					170						175	
Asn	Gln	Ile	Asp	Tyr	Phe	Ile	Cys	Asp	Ile	Pro	Ala	Val	Leu	Arg	Leu
			180					185					190		
Ala	Cys	Ala	Asp	Thr	Thr	Val	Asn	Glu	Leu	Val	Thr	Phe	Val	Asp	Ile
		195					200					205			
Gly	Val	Val	Ala	Ala	Ser	Cys	Phe	Met	Leu	Ile	Leu	Leu	Ser	Tyr	Ala
	210					215					220				
Asn	Ile	Val	His	Ala	Ile	Leu	Lys	Ile	Arg	Thr	Ala	Asp	Gly	Arg	Lys
225					230					235					240
Arg	Ala	Phe	Ser	Thr	Cys	Gly	Ser	His	Leu	Thr	Val	Val	Thr	Val	Tyr
				245					250					255	
Tyr	Val	Pro	Cys	Ile	Phe	Ile	Tyr	Leu	Arg	Ala	Gly	Ser	Lys	Ser	Pro
			260					265					270		
Phe	Asp	Gly	Ala	Val	Ala	Val	Phe	Tyr	Thr	Val	Val	Thr	Pro	Leu	Leu
		275					280					285			
Asn	Pro	Leu	Ile	Tyr	Thr	Leu	Arg	Asn	Gln	Glu	Val	Lys	Ser	Ala	Leu
	290					295					300				
Lys	Arg	Leu	Thr	Ala	Gly	Arg	Arg	Asp	Val	Gly	Gly	Glu	Lys		

305

310

315

<210> 2007

<211> 311

<212> PRT

<213> Mus musculus

<400> 2007

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Met Lys Thr Leu Ser Ser Pro Ser Asn Ser Ser Thr Ile Thr Gly Phe
 1          5          10          15
Ile Leu Leu Gly Phe Pro Cys Pro Arg Glu Gly Gln Ile Leu Leu Phe
 20          25          30
Val Thr Phe Phe Ile Val Tyr Ile Leu Ile Leu Met Gly Asn Ala Ser
 35          40          45
Ile Ile Cys Ala Val Tyr Cys Asp Gln Arg Leu His Thr Pro Met Tyr
 50          55          60
Phe Leu Leu Ala Asn Phe Ser Phe Leu Glu Ile Trp Tyr Val Thr Ser
 65          70          75          80
Thr Val Pro Asn Met Leu Ala Asn Phe Leu Ser Asp Thr Lys Val Ile
 85          90          95
Ser Phe Ser Gly Cys Phe Leu Gln Phe Tyr Phe Phe Phe Ser Phe Gly
100          105          110
Ser Thr Glu Cys Phe Phe Leu Ala Val Met Ala Phe Asp Arg Tyr Leu
115          120          125
Ala Ile Cys Arg Pro Leu His Tyr Pro Ser Leu Met Thr Gly His Leu
130          135          140
Cys Asn Ile Leu Val Ile Ser Cys Trp Val Leu Gly Phe Leu Trp Phe
145          150          155          160
Pro Val Pro Ile Ile Ile Ser Gln Met Ser Phe Cys Gly Ser Arg
165          170          175
Ile Ile Asp His Phe Leu Cys Asp Pro Gly Pro Leu Leu Ala Leu Ala
180          185          190
Cys Ser Arg Ala Pro Leu Met Glu Val Phe Trp Thr Ile Ile Met Ser
195          200          205
Met Leu Leu Val Ile Pro Phe Leu Phe Ile Met Gly Thr Tyr Ile Leu
210          215          220
Val Leu Arg Ala Val Phe Arg Leu Pro Ser Arg Asp Gly Gln Lys Lys
225          230          235          240
Ala Phe Ser Thr Cys Gly Ser His Leu Thr Val Val Ser Leu Phe Tyr
245          250          255
Cys Ser Val Met Lys Met Tyr Leu Ser Pro Thr Ser Glu His Glu Ala
260          265          270
Gly Met Gln Lys Leu Val Thr Leu Phe Tyr Ser Val Gly Thr Pro Leu
275          280          285
Leu Asn Pro Val Ile Tyr Ser Leu Arg Asn Lys Asp Met Lys Asn Ala
290          295          300
Leu Gln Lys Ile Leu Arg Thr
305          310

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<210> 2008

<211> 319

<212> PRT

<213> Mus musculus

<400> 2008

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Met Gln Val Thr Thr Glu Arg Gln Asn Val Ser Phe Pro Asp Thr Phe
 1          5          10          15

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Val	Leu	Val	Gly	Phe	Ser	Asp	His	Pro	Trp	Leu	Glu	Met	Pro	Leu	Phe
			20					25					30		
Gly	Val	Leu	Leu	Ile	Ser	Tyr	Ile	Phe	Thr	Met	Ile	Gly	Asn	Ser	Ser
	35						40					45			
Ile	Ile	Val	Leu	Ser	Leu	Val	Glu	Pro	Arg	Leu	Gln	Thr	Pro	Met	Tyr
	50					55					60				
Phe	Phe	Leu	Asp	Asn	Leu	Ser	Leu	Leu	Asp	Leu	Cys	Val	Thr	Cys	Thr
65					70					75					80
Ile	Val	Pro	Gln	Leu	Leu	Val	Asn	Leu	Trp	Gly	Pro	Glu	Lys	Thr	Ile
			85						90					95	
Ala	Ser	Trp	Ser	Cys	Ile	Ala	Gln	Ala	Tyr	Leu	Phe	His	Trp	Thr	Ser
			100					105					110		
Cys	Thr	Glu	Ser	Ala	Leu	Leu	Ala	Val	Met	Ala	Phe	Asp	Arg	Tyr	Val
		115					120					125			
Ala	Ile	Cys	Cys	Pro	Leu	Arg	Tyr	Val	Leu	Ile	Met	His	Leu	Trp	Ala
	130					135					140				
Cys	Val	Trp	Leu	Ala	Ala	Val	Cys	Trp	Ala	Ser	Gly	Leu	Ala	Asn	Ser
145					150					155					160
Leu	Val	Gln	Ala	Thr	Leu	Thr	Leu	Tyr	Leu	Thr	Leu	Cys	Ala	Lys	Asn
			165						170					175	
Thr	Leu	Asp	His	Phe	Phe	Cys	Glu	Val	Pro	Ala	Leu	Ile	Lys	Leu	Ala
		180						185					190		
Cys	Ser	Asp	Thr	Thr	Thr	Asn	Asp	Leu	Ser	Leu	Ala	Leu	Gly	Ala	Ile
		195					200					205			
Pro	Phe	Gly	Ile	Val	Ser	Pro	Leu	Thr	Val	Leu	Ile	Ser	Tyr	Ile	Phe
	210					215					220				
Ile	Ala	Arg	Ala	Val	Leu	Lys	Leu	Pro	Ser	Ala	Glu	Gly	Arg	Arg	Lys
225					230					235					240
Ala	Leu	Ser	Thr	Cys	Thr	Ser	His	Leu	Leu	Val	Val	Thr	Met	Tyr	Phe
			245						250					255	
Gly	Pro	Gly	Met	Tyr	Thr	Tyr	Leu	Gln	Pro	Pro	Gly	Asn	Asn	Thr	Gln
			260					265					270		
Ser	Glu	Phe	Leu	Ser	Leu	Phe	Tyr	Cys	Val	Phe	Thr	Pro	Leu	Leu	Asn
		275					280					285			
Pro	Leu	Ile	Tyr	Thr	Leu	Arg	Asn	Lys	Asp	Val	Lys	Glu	Ala	Trp	Lys
	290					295					300				
Lys	Val	Leu	Thr	Ser	Gln	Ser	Lys	Gly	Ile	Ser	Leu	Lys	Gly	Gln	
305					310					315					

<210> 2009

<211> 311

<212> PRT

<213> Mus musculus

<400> 2009

Met	Glu	Arg	Thr	Asn	Val	Ser	His	Glu	Met	Glu	Phe	Glu	Leu	Leu	Gly
1				5					10					15	
Leu	Thr	Ser	Asp	Pro	Gln	Leu	Gln	Lys	Leu	Leu	Phe	Val	Val	Phe	Leu
			20					25					30		
Val	Met	Tyr	Ala	Ile	Thr	Val	Leu	Gly	Asn	Leu	Val	Met	Phe	Phe	Leu
		35					40				45				
Ile	His	Val	Ser	Thr	Thr	Leu	His	Thr	Pro	Met	Tyr	Ser	Leu	Leu	Lys
	50					55					60				
Ser	Leu	Ser	Leu	Leu	Asp	Phe	Cys	Tyr	Ser	Ser	Thr	Val	Val	Pro	Gln
65					70					75					80
Thr	Leu	Ile	Asn	Phe	Leu	Val	Glu	Arg	Lys	Val	Ile	Ser	Tyr	Phe	Gly
			85					90						95	
Cys	Met	Ala	Gln	Met	Phe	Phe	Phe	Ala	Gly	Phe	Ala	Thr	Ser	Glu	Cys

Gly	Asp	Gln	Ile	Leu	Glu	Tyr	Val	Phe	Ile	Ile	Thr	Ser	Cys	Cys	Phe
		195					200					205			
Ala	Phe	Met	Cys	Phe	Ile	Leu	Met	Val	Ile	Ser	Tyr	Val	His	Ile	Phe
	210					215					220				
Thr	Ile	Ile	Leu	Arg	Ile	Pro	Ser	Ile	Gln	Gly	Arg	Phe	Lys	Ile	Phe
225					230					235					240
Ser	Thr	Cys	Ile	Pro	His	Leu	Thr	Val	Val	Thr	Leu	Phe	Leu	Ser	Ser
				245					250					255	
Gly	Phe	Val	Ala	Tyr	Leu	Gly	Ser	Ala	Val	Lys	Ser	Pro	Ser	Ser	Leu
			260					265					270		
Asn	Leu	Phe	Met	Ser	Val	Phe	Tyr	Ser	Leu	Leu	Pro	Pro	Ser	Leu	Asn
		275					280					285			
Pro	Val	Ile	Tyr	Ser	Phe	Arg	Asn	Ser	Asp	Val	Lys	Val	Ala	Leu	His
	290					295					300				
Asn	Ile	Phe	Gly	Glu	Lys	Met	Thr	Thr	His	Phe					
305					310					315					

<210> 2011

<211> 314

<212> PRT

<213> Mus musculus

<400> 2011

Met	Ala	Phe	Leu	Glu	Asp	Ala	Asn	His	Thr	Ala	Val	Thr	Glu	Phe	Ile
1				5					10					15	
Leu	Leu	Gly	Leu	Thr	Asp	Asp	Pro	Val	Leu	Lys	Val	Val	Leu	Phe	Ser
			20					25					30		
Ile	Ile	Leu	Cys	Ile	Tyr	Leu	Val	Thr	Val	Ser	Gly	Asn	Leu	Ser	Thr
		35					40					45			
Ile	Leu	Leu	Ile	Arg	Val	Ser	Ser	Gln	Leu	His	His	Pro	Met	Tyr	Phe
	50					55					60				
Phe	Leu	Ser	His	Leu	Ala	Ser	Val	Asp	Val	Gly	Tyr	Ser	Ser	Thr	Val
65				70					75						80
Thr	Pro	Lys	Met	Leu	Ala	Asn	Phe	Leu	Val	Glu	Arg	Ser	Thr	Ile	Ser
			85						90					95	
Tyr	Leu	Gly	Cys	Thr	Ile	Gln	Leu	Phe	Ser	Gly	Ala	Phe	Phe	Gly	Thr
		100					105						110		
Leu	Glu	Cys	Phe	Leu	Leu	Ala	Thr	Met	Ala	Tyr	Asp	Arg	Phe	Ile	Ala
		115					120					125			
Ile	Cys	Asn	Pro	Leu	Leu	Tyr	Ser	Thr	Lys	Met	Ser	Thr	Gln	Val	Cys
	130					135					140				
Ile	Gln	Leu	Leu	Val	Gly	Ser	Tyr	Ile	Gly	Gly	Phe	Leu	Asn	Ala	Ser
145					150					155					160
Ser	Phe	Leu	Leu	Ser	Phe	Phe	Pro	Leu	Leu	Phe	Cys	Gly	Pro	Asn	Arg
			165						170					175	
Val	Asn	His	Phe	Phe	Cys	Asp	Leu	Ala	Pro	Leu	Ile	Glu	Leu	Ser	Cys
			180					185					190		
Ser	Gly	Ser	Asn	Val	Pro	Ile	Val	Pro	Ala	Ser	Phe	Cys	Ser	Ala	Phe
		195					200					205			
Val	Ile	Ile	Val	Thr	Val	Phe	Val	Ile	Ala	Ile	Ser	Tyr	Thr	Tyr	Ile
	210					215					220				
Leu	Ile	Thr	Ile	Leu	Lys	Met	Arg	Ser	Thr	Glu	Gly	Arg	Gln	Lys	Ala
225					230					235					240
Phe	Ser	Thr	Cys	Thr	Ser	His	Leu	Thr	Ala	Val	Thr	Leu	Phe	Tyr	Gly
				245					250					255	
Thr	Ile	Thr	Phe	Ile	Tyr	Val	Met	Pro	Lys	Ser	Ser	Phe	Ser	Thr	Asp
			260					265					270		
Gln	Asn	Lys	Val	Val	Ser	Val	Phe	Tyr	Met	Val	Val	Ile	Pro	Met	Leu

	275		280		285
Asn	Pro	Leu	Ile	Tyr	Ser
	290		295		300
Lys	Arg	Gln	Leu	Ala	Arg
305			310		

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<400> 2012															
Met	Ala	Phe	Leu	Glu	Asp	Gly	Asn	His	Thr	Ala	Val	Thr	Glu	Phe	Val
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Leu	Phe	Gly	Leu	Thr	Asp	Asp	Pro	Val	Leu	Arg	Val	Ile	Leu	Phe	Ile
			20					25					30		
Ile	Phe	Leu	Cys	Ile	Tyr	Leu	Val	Asn	Val	Ser	Gly	Asn	Leu	Ser	Thr
		35					40					45			
Ile	Leu	Leu	Ile	Arg	Val	Ser	Ser	Gln	Leu	His	His	Pro	Met	Tyr	Phe
	50					55					60				
Phe	Leu	Ser	His	Leu	Ala	Ser	Val	Asp	Val	Gly	Tyr	Ser	Ser	Thr	Val
65				70					75						80
Thr	Pro	Lys	Met	Leu	Ala	Asn	Phe	Leu	Leu	Glu	Arg	Ser	Thr	Ile	Ser
			85					90						95	
Tyr	Leu	Gly	Cys	Thr	Ile	Gln	Leu	Phe	Ser	Gly	Ala	Phe	Val	Gly	Thr
			100				105						110		
Leu	Glu	Cys	Phe	Leu	Leu	Ala	Thr	Met	Ala	Tyr	Asp	Arg	Phe	Ile	Ala
		115					120					125			
Ile	Cys	Asn	Pro	Leu	Leu	Tyr	Ser	Thr	Lys	Met	Ser	Thr	Gln	Val	Cys
	130					135					140				
Ile	Gln	Leu	Leu	Val	Gly	Ser	Tyr	Ile	Gly	Gly	Phe	Leu	Asn	Ala	Ser
145				150					155						160
Ser	Phe	Leu	Leu	Ser	Phe	Phe	Pro	Leu	Leu	Phe	Cys	Gly	Pro	Asn	Arg
			165					170						175	
Val	Asn	His	Tyr	Ser	Cys	Asp	Leu	Thr	Pro	Leu	Ile	Glu	Leu	Ser	Cys
		180						185				190			
Ser	Gly	Ser	Asn	Val	Pro	Ile	Val	Pro	Ala	Ser	Phe	Cys	Ser	Ala	Phe
	195						200					205			
Val	Ile	Ile	Val	Thr	Val	Ser	Val	Ile	Ala	Ile	Ser	Tyr	Thr	Tyr	Ile
	210					215					220				
Leu	Ile	Thr	Ile	Leu	Lys	Met	Arg	Ser	Thr	Glu	Gly	Arg	Gln	Lys	Ala
225					230					235					240
Phe	Ser	Thr	Cys	Thr	Ser	His	Leu	Thr	Ala	Val	Thr	Leu	Tyr	Tyr	Gly
			245						250					255	
Thr	Val	Thr	Phe	Ile	Tyr	Val	Met	Pro	Lys	Ser	Ser	Tyr	Ser	Thr	Asp
		260					265						270		
Gln	Asn	Lys	Val	Val	Ser	Val	Phe	Tyr	Thr	Val	Val	Ile	Pro	Met	Leu
	275						280					285			
Asn	Pro	Ile	Ile	Tyr	Ser	Leu	Arg	Asn	Asn	Glu	Ile	Lys	Gly	Ala	Leu
	290					295					300				
Lys	Arg	Gln	Leu	Ala	Arg	Lys	Ile	Phe	Ser						
305					310										

<210> 2013
 <211> 314
 <212> PRT
 <213> Mus musculus

<400> 2013

Met	Met	Leu	Gly	Arg	Met	Ala	Phe	Ser	Asn	Asp	Ser	Ser	Val	Lys	Glu
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Phe	Ile	Leu	Leu	Gly	Leu	Thr	Gln	Gln	Pro	Glu	Leu	Gln	Met	Pro	Leu
		20						25					30		
Phe	Phe	Leu	Phe	Leu	Gly	Ile	Tyr	Val	Val	Ser	Met	Val	Gly	Asn	Leu
		35					40					45			
Gly	Leu	Ile	Val	Leu	Ile	Val	Leu	Asn	Pro	His	Leu	His	Thr	Pro	Met
	50					55					60				
Tyr	Tyr	Phe	Leu	Phe	Asn	Leu	Ser	Phe	Ile	Asp	Leu	Cys	Tyr	Ser	Ser
65					70					75					80
Val	Ile	Thr	Pro	Arg	Met	Leu	Val	Gly	Phe	Val	Lys	Gln	Asn	Ile	Ile
				85					90					95	
Ser	His	Ala	Glu	Cys	Met	Thr	Gln	Leu	Phe	Phe	Phe	Cys	Phe	Phe	Val
			100					105					110		
Ile	Asp	Glu	Cys	Tyr	Ile	Leu	Thr	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Ala
		115					120					125			
Ala	Ile	Cys	Lys	Pro	Leu	Leu	Tyr	Gln	Val	Thr	Met	Ser	His	Gln	Val
		130					135					140			
Cys	His	Leu	Met	Met	Val	Gly	Val	Tyr	Val	Met	Gly	Leu	Val	Gly	Ala
145					150					155					160
Met	Ala	His	Thr	Gly	Ser	Met	Leu	Ser	Leu	Thr	Phe	Cys	Asp	Gly	Asn
				165						170				175	
Ile	Ile	Asn	His	Tyr	Met	Cys	Asp	Ile	Pro	Pro	Leu	Gln	Lys	Leu	Ser
			180					185					190		
Cys	Thr	Ser	Thr	Ser	Ile	Asn	Glu	Leu	Val	Val	Phe	Ile	Val	Val	Gly
		195					200					205			
Val	Asn	Val	Ile	Ile	Pro	Ser	Leu	Thr	Val	Phe	Ile	Ser	Tyr	Thr	Leu
		210				215					220				
Ile	Leu	Ser	Asn	Ile	Leu	Ser	Ile	Gln	Ser	Ala	Glu	Gly	Arg	Ser	Lys
225					230					235					240
Ala	Phe	Ser	Thr	Cys	Gly	Ser	His	Val	Ile	Ala	Val	Ser	Leu	Phe	Phe
				245					250					255	
Gly	Ala	Ser	Ala	Phe	Met	Tyr	Leu	Lys	Pro	Ser	Ser	Ala	Ser	Val	Asp
			260					265					270		
Asp	Asp	Lys	Ile	Ser	Thr	Ile	Phe	Tyr	Thr	Ile	Val	Gly	Pro	Met	Leu
		275					280					285			
Asn	Pro	Phe	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	His	Ile	Ala	Leu
		290				295					300				
Arg	Lys	Thr	Leu	Lys	Lys	Ser	Met	Phe	Ile						
305					310										

<210> 2014

<211> 309

<212> PRT

<213> Mus musculus

<400> 2014

Met	Gly	Phe	Gly	Asn	Asp	Ser	Ser	Val	Lys	Glu	Phe	Ile	Leu	Leu	Gly
1				5					10					15	
Leu	Thr	Gln	Gln	Pro	Glu	Leu	Gln	Leu	Pro	Leu	Phe	Phe	Leu	Phe	Leu
		20						25					30		
Gly	Ile	Tyr	Val	Val	Ser	Ile	Val	Gly	Asn	Leu	Gly	Leu	Ile	Val	Leu
		35					40					45			
Ile	Val	Leu	Asn	Pro	His	Leu	His	Thr	Pro	Met	Tyr	Tyr	Phe	Leu	Phe
	50					55					60				
Asn	Leu	Ser	Phe	Val	Asp	Phe	Cys	Tyr	Ser	Ser	Val	Ile	Thr	Pro	Lys

65					70					75					80
Met	Leu	Val	Ser	Phe	Val	Thr	Gln	Asn	Ile	Ile	Ser	His	Ala	Glu	Cys
				85					90					95	
Met	Thr	Gln	Leu	Phe	Phe	Phe	Ala	Phe	Phe	Val	Ile	Asp	Glu	Cys	Tyr
			100					105					110		
Ile	Leu	Thr	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Ala	Ala	Ile	Cys	Lys	Pro
		115					120					125			
Leu	Leu	Tyr	Gln	Val	Thr	Met	Ser	His	Gln	Val	Cys	His	Phe	Met	Met
	130					135					140				
Met	Gly	Val	Val	Val	Met	Gly	Ser	Val	Gly	Ala	Val	Ala	His	Ile	Ile
145					150					155					160
Cys	Met	Leu	Arg	Leu	Thr	Phe	Cys	Asp	Gly	Asn	Ile	Ile	Asn	His	Tyr
			165					170					175		
Met	Cys	Asp	Ile	Pro	Pro	Leu	Leu	Lys	Leu	Ser	Cys	Thr	Ser	Thr	Tyr
		180						185					190		
Ile	Asn	Glu	Leu	Val	Val	Phe	Ile	Ile	Val	Gly	Phe	Asn	Val	Thr	Val
		195					200					205			
Pro	Ile	Leu	Thr	Ile	Phe	Ile	Ser	Tyr	Thr	Leu	Ile	Leu	Ser	Asn	Ile
	210					215					220				
Leu	Ser	Ile	His	Ser	Ala	Glu	Gly	Arg	Ser	Lys	Ala	Phe	Ser	Thr	Cys
225					230					235					240
Gly	Ser	His	Val	Ile	Ala	Val	Ser	Ile	Phe	Phe	Gly	Ser	Leu	Ala	Phe
			245						250					255	
Met	Tyr	Leu	Lys	Pro	Ser	Ser	Ala	Ser	Val	Asp	Asp	Asp	Lys	Ile	Ser
		260						265					270		
Thr	Ile	Phe	Tyr	Thr	Ile	Val	Gly	Pro	Met	Leu	Asn	Pro	Phe	Ile	Tyr
		275					280					285			
Ser	Leu	Arg	Asn	Lys	Asp	Val	His	Ile	Ala	Met	Arg	Lys	Thr	Leu	Lys
	290					295					300				
Lys	Gly	Met	Phe	Ala											
305															

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 <212> PRT
 <213> Mus musculus

<400> 2015															
Met	Val	Leu	Glu	Asn	Ser	Ser	Ser	Val	Lys	Glu	Phe	Ile	Leu	Leu	Gly
1				5					10				15		
Leu	Thr	Gln	Gln	Pro	Glu	Leu	Gln	Met	Pro	Leu	Phe	Phe	Leu	Phe	Leu
		20					25					30			
Gly	Ile	Tyr	Ile	Val	Ser	Met	Val	Gly	Asn	Leu	Gly	Leu	Thr	Val	Leu
		35					40				45				
Ile	Val	Leu	Asn	Pro	His	Leu	His	Asn	Pro	Met	Tyr	Tyr	Phe	Leu	Phe
	50					55					60				
Asn	Leu	Ser	Phe	Thr	Asp	Leu	Cys	Tyr	Ser	Thr	Val	Ile	Thr	Pro	Arg
65					70					75					80
Met	Leu	Val	Gly	Phe	Val	Lys	Gln	Asn	Thr	Ile	Ser	His	Ala	Glu	Cys
			85						90					95	
Met	Thr	Gln	His	Phe	Phe	Phe	Cys	Phe	Phe	Val	Ile	Asp	Glu	Cys	Tyr
		100					105						110		
Ile	Leu	Thr	Ala	Val	Ala	Tyr	Asp	Arg	Tyr	Ala	Ala	Ile	Cys	Lys	Pro
		115					120					125			
Leu	Leu	Tyr	Gln	Val	Thr	Met	Ser	His	Gln	Val	Cys	Leu	Leu	Met	Thr
	130					135					140				
Val	Gly	Val	Tyr	Val	Met	Gly	Phe	Leu	Glu	Ala	Ile	Ala	His	Thr	Gly
145					150					155					160

Ser	Met	Val	Ser	Leu	Thr	Phe	Cys	Asp	Gly	Asn	Ile	Ile	Asn	His	Tyr		
				165					170					175			
Ala	Cys	Asp	Ile	Leu	Pro	Leu	Leu	Lys	Leu	Ser	Cys	Thr	Ser	Thr	Thr		
			180					185						190			
Ile	Asn	Glu	Leu	Val	Val	Phe	Ile	Val	Val	Gly	Val	Asn	Val	Ile	Val		
		195						200					205				
Pro	Thr	Leu	Thr	Ile	Phe	Ile	Ser	Tyr	Thr	Leu	Ile	Leu	Ser	Asn	Ile		
	210					215						220					
Leu	Ser	Ile	His	Ser	Ala	Glu	Gly	Arg	Ser	Lys	Ala	Phe	Ser	Thr	Cys		
225					230					235					240		
Gly	Ser	His	Val	Ile	Ala	Val	Ser	Leu	Phe	Phe	Gly	Ala	Ala	Ala	Phe		
				245					250					255			
Met	Tyr	Leu	Lys	Pro	Ser	Ser	Ala	Ser	Glu	Asp	Asp	Asp	Lys	Val	Ser		
			260					265					270				
Thr	Ile	Phe	Tyr	Thr	Ile	Val	Gly	Pro	Met	Leu	Asn	Pro	Phe	Ile	Tyr		
		275					280					285					
Ser	Leu	Arg	Asn	Lys	Asp	Val	Tyr	Leu	Ala	Leu	Arg	Lys	Thr	Leu	Met		
	290					295					300						
Lys	Arg	Ser	Phe	Thr													
305																	

<210> 2016

<211> 314

<212> PRT

<213> Mus musculus

<400> 2016

Met	Asn	Trp	Gly	Arg	Met	Ala	Leu	Gly	Asn	Asp	Ser	Ser	Val	Lys	Glu		
1				5					10					15			
Phe	Ile	Leu	Leu	Gly	Leu	Thr	Gln	Gln	Pro	Glu	Leu	Gln	Leu	Pro	Leu		
			20					25					30				
Phe	Phe	Phe	Phe	Leu	Gly	Val	Tyr	Ile	Phe	Ser	Val	Val	Gly	Asn	Leu		
		35					40					45					
Gly	Leu	Ile	Val	Leu	Ile	Val	Leu	Asn	Pro	His	Leu	Gln	Thr	Pro	Met		
		50				55					60						
Tyr	Tyr	Phe	Leu	Phe	Asn	Leu	Ser	Phe	Thr	Asp	Leu	Cys	Tyr	Ser	Ser		
65					70					75					80		
Val	Ile	Thr	Pro	Lys	Met	Leu	Val	Ser	Phe	Val	Lys	Gln	Asn	Ile	Ile		
				85					90					95			
Ser	His	Ala	Glu	Cys	Met	Thr	Gln	Leu	Phe	Phe	Phe	Cys	Phe	Phe	Val		
			100					105					110				
Ile	Asp	Glu	Cys	Tyr	Ile	Leu	Thr	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Ala		
		115					120					125					
Ala	Ile	Cys	Lys	Pro	Leu	Leu	Tyr	Gln	Val	Thr	Met	Ser	His	Arg	Val		
	130					135					140						
Cys	Leu	Leu	Met	Thr	Val	Gly	Val	Tyr	Val	Met	Gly	Phe	Val	Glu	Ala		
145					150					155					160		
Met	Ala	His	Thr	Ala	Ser	Met	Val	His	Leu	Ile	Phe	Cys	Asp	Ser	Asn		
				165					170					175			
Ile	Ile	Asn	His	Tyr	Met	Cys	Glu	Ile	Asn	Ala	Leu	Leu	Lys	Leu	Ser		
			180					185					190				
Cys	Thr	Ser	Thr	Ser	Ile	Asn	Glu	Leu	Val	Val	Tyr	Ile	Val	Val	Gly		
		195					200					205					
Phe	Asn	Val	Ile	Val	Pro	Thr	Leu	Thr	Ile	Phe	Ile	Thr	Tyr	Thr	Leu		
	210					215						220					
Ile	Leu	Phe	Asn	Ile	Leu	Ser	Ile	His	Ser	Ala	Glu	Gly	Arg	Ser	Lys		
225					230					235					240		
Ala	Phe	Ser	Thr	Cys	Gly	Ser	His	Met	Ile	Ala	Val	Ser	Leu	Phe	Phe		

<210> 2018
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 <212> PRT
 <213> Mus musculus

<400> 2018

Met	Asp	Val	Tyr	Asn	Leu	Thr	Thr	Val	Thr	Gln	Phe	Ile	Leu	Ile	Gly
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Leu	Ser	Asp	Leu	Pro	Glu	Val	Arg	Tyr	Pro	Leu	Phe	Val	Ala	Phe	Val
		20						25				30			
Ile	Ile	Tyr	Gln	Ile	Thr	Leu	Leu	Gly	Asn	Gly	Leu	Ile	Leu	Leu	Ala
		35				40					45				
Ile	Val	Thr	Glu	Lys	Lys	Leu	Gln	Thr	Pro	Met	Tyr	Tyr	Leu	Leu	Ala
	50					55					60				
Asn	Leu	Ser	Leu	Leu	Asp	Ile	Phe	Cys	Pro	Ser	Ala	Thr	Val	Pro	Lys
65					70					75					80
Met	Leu	Lys	Asn	Leu	Leu	Thr	Glu	Asp	His	Ser	Ile	Ser	Phe	Val	Gly
			85					90						95	
Cys	Ala	Leu	Gln	Leu	Tyr	Phe	Leu	Val	Ala	Leu	Ala	Gly	Thr	Glu	Val
			100					105					110		
Phe	Leu	Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Phe
		115					120					125			
Pro	Leu	Arg	Tyr	Ser	Leu	Ile	Met	Thr	Lys	Val	Arg	Cys	Val	Gln	Leu
		130				135						140			
Leu	Phe	Gly	Thr	Trp	Ala	Ala	Gly	Phe	Leu	Asn	Ser	Phe	Val	His	Thr
145					150					155					160
Met	Ser	Thr	Phe	Ser	Leu	Ser	Phe	Cys	Lys	Ser	Asn	Arg	Val	Asn	Gln
				165					170					175	
Tyr	Tyr	Cys	Asp	Ile	Pro	Pro	Val	Val	Ala	Leu	Ser	Cys	Ser	Ser	Thr
			180					185					190		
Tyr	Met	Ala	Glu	Met	Leu	Val	Leu	Val	Ile	Gly	Gly	Ile	Cys	Gly	Val
		195					200					205			
Gly	Ala	Phe	Leu	Ile	Thr	Leu	Ile	Ser	Tyr	Ile	Tyr	Ile	Val	Ser	Thr
		210				215					220				
Ile	Leu	Lys	Ile	Arg	Ser	Ala	Glu	Gly	Lys	Arg	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Ala	Ser	His	Leu	Leu	Val	Val	Phe	Leu	Phe	Tyr	Gly	Thr	Thr	Ile
				245					250					255	
Phe	Thr	Tyr	Ile	Arg	Pro	Thr	Ser	Ser	Gln	His	Ser	Pro	Gly	Arg	Asp
			260					265					270		
Arg	Leu	Ile	Ser	Met	Leu	Tyr	Gly	Val	Ile	Thr	Pro	Met	Leu	Asn	Pro
		275					280					285			
Ile	Ile	Tyr	Ser	Leu	Arg	Asn	Thr	Glu	Val	Lys	Gly	Ala	Leu	Arg	Lys
		290				295					300				
Val	Leu	His	Leu	Arg	Ile	Cys	Ser	Gln	Arg	Glu					
305					310					315					

<210> 2019
 <211> 317
 <212> PRT
 <213> Mus musculus

<400> 2019

Met	Glu	Met	Asp	Val	Tyr	Asn	Leu	Thr	Thr	Val	Thr	Gln	Phe	Ile	Leu
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Ile	Gly	Leu	Ser	Asp	Leu	Pro	Glu	Val	Arg	Tyr	Pro	Leu	Phe	Val	Ala
		20						25				30			
Phe	Val	Ile	Ile	Tyr	Gln	Ile	Thr	Leu	Leu	Gly	Asn	Gly	Leu	Ile	Leu

Asn	Pro	Leu	Leu	Tyr	Ser	Ser	Val	Met	Ser	Pro	Thr	Leu	Cys	Ala	Gln
	130					135					140				
Met	Val	Met	Gly	Ser	Tyr	Thr	Ala	Gly	Leu	Thr	Gly	Ser	Val	Ser	Gln
145					150					155					160
Ile	Cys	Ala	Leu	Leu	Gln	Leu	Tyr	Phe	Cys	Gly	Pro	Asn	Val	Ile	Arg
				165					170						175
His	Phe	Phe	Cys	Asp	Ile	Ser	Gln	Leu	Leu	Asn	Leu	Ser	Cys	Ser	Asp
			180					185					190		
Ala	Phe	Phe	Val	Gln	Val	Leu	Leu	Ala	Ile	Leu	Thr	Met	Cys	Phe	Gly
		195					200					205			
Ile	Ala	Asn	Ala	Leu	Ala	Thr	Met	Leu	Ser	Tyr	Gly	Phe	Ile	Val	Leu
	210					215					220				
Ser	Ile	Leu	Lys	Ile	Thr	Ser	Ala	Lys	Gly	Arg	Ser	Lys	Ala	Phe	Asn
225					230					235					240
Thr	Cys	Ala	Ser	His	Leu	Thr	Ala	Val	Ser	Leu	Phe	Tyr	Ser	Thr	Gly
				245					250						255
Ile	Phe	Val	Tyr	Leu	Arg	Ser	Ser	Ser	Gly	Ser	Ser	Ser	Ser	Phe	Asp
			260					265						270	
Arg	Phe	Thr	Ser	Val	Phe	Tyr	Thr	Val	Val	Ile	Pro	Met	Leu	Asn	Pro
		275					280					285			
Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Ile	Lys	Asp	Ala	Met	Lys	Arg
	290					295					300				
Leu	Gln	Lys	Lys	Lys	Ile	Cys	Asn								
305					310										

<210> 2021

<211> 311

<212> PRT

<213> Mus musculus

<400> 2021

Met	Glu	Pro	Gly	Asn	Leu	Thr	Trp	Val	Ser	Glu	Phe	Ile	Phe	Leu	Gly
1				5					10					15	
Phe	Ser	Glu	Ile	Trp	Glu	Leu	Gln	Val	Phe	Leu	Phe	Val	Val	Phe	Leu
			20					25				30			
Cys	Val	Tyr	Ser	Thr	Thr	Val	Val	Gly	Asn	Leu	Leu	Ile	Ile	Val	Thr
		35					40					45			
Val	Ser	Ser	Asp	Pro	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Leu	Leu	Arg
		50				55					60				
Asn	Leu	Ala	Val	Leu	Asp	Leu	Cys	Phe	Ser	Ser	Val	Thr	Ala	Pro	Lys
65					70					75					80
Met	Leu	Val	Asp	Phe	Leu	Ser	Glu	Lys	Lys	Thr	Ile	Ser	Tyr	Arg	Gly
				85					90					95	
Cys	Met	Val	Gln	Ile	Phe	Phe	Phe	His	Phe	Leu	Gly	Gly	Ala	Met	Val
			100					105					110		
Phe	Phe	Leu	Ser	Val	Met	Ala	Tyr	Asp	Arg	Leu	Val	Ala	Ile	Ser	Arg
		115					120					125			
Pro	Leu	His	Tyr	Val	Thr	Ile	Met	Asn	Ser	Gln	Leu	Cys	Met	Gly	Leu
		130				135						140			
Val	Val	Ala	Ser	Trp	Val	Gly	Gly	Phe	Ala	His	Ser	Ile	Val	Gln	Leu
145					150					155					160
Ser	Leu	Met	Leu	Pro	Leu	Pro	Phe	Cys	Gly	Pro	Asn	Val	Leu	Asp	Asn
				165					170					175	
Phe	Tyr	Cys	Asp	Val	Pro	Gln	Val	Leu	Arg	Leu	Ala	Cys	Met	Asp	Thr
			180					185					190		
Ser	Leu	Leu	Glu	Phe	Leu	Met	Ile	Ser	Asn	Ser	Gly	Met	Leu	Asp	Val
		195					200					205			
Ile	Trp	Phe	Phe	Leu	Leu	Leu	Ile	Ser	Tyr	Leu	Val	Ile	Leu	Val	Met

210		215		220
Leu Arg Ser His Ser Gly	Glu Ala Arg Arg Lys	Ala Ala Ser Thr Cys		
225	230	235	240	
Thr Thr His Ile Ile Val	Val Ser Met Ile Phe	Ile Pro Ser Ile Tyr		
	245	250	255	
Leu Tyr Ala Arg Pro Phe	Thr Pro Phe Thr Met	Asp Lys Ala Val Ser		
	260	265	270	
Ile Ser His Thr Val Leu	Thr Pro Met Leu Asn	Pro Met Ile Tyr Thr		
	275	280	285	
Leu Arg Asn Gln Glu Met	Gln Ala Ala Met Lys	Arg Leu Ala Lys Arg		
	290	295	300	
Leu Ala Leu Cys Asn Arg	Glu			
305	310			

<210> 2022

<211> 313

<212> PRT

<213> Mus musculus

<400> 2022

Met Glu Thr Gln Asn Ile Thr Trp Val Ser Glu Phe Ile Leu Leu Gly	
1	5
Phe Ser Gln Thr Gln Glu Leu Gln Lys Leu Leu Phe Val Val Phe Leu	
	20
Cys Val Tyr Ile Thr Thr Val Val Gly Asn Ile Leu Ile Met Ile Thr	
	35
Val Thr Phe Asp Pro Arg Leu Asp Met Pro Met Tyr Phe Leu Leu Arg	
	50
Asn Leu Ala Val Ile Asp Leu Ser Tyr Ser Thr Val Thr Ser Pro Lys	
65	70
Met Leu Val Asp Phe Phe His Lys Thr Lys Thr Ile Ser Tyr Gln Gly	
	85
Cys Met Ala Gln Ile Phe Phe Phe His Leu Leu Gly Gly Gly Thr Val	
	100
Phe Phe Leu Ser Val Met Ala Tyr Asp Arg Tyr Ile Ala Ile Ser Arg	
	115
Pro Leu His Tyr Val Thr Ile Met Asn Thr Lys Leu Cys Val Gly Leu	
	130
Val Val Ala Ser Trp Val Gly Gly Phe Ala His Ser Ile Val Gln Leu	
145	150
Ser Leu Met Leu Pro Leu Pro Phe Cys Gly Pro Asn Val Leu Asp Asn	
	165
Phe Tyr Cys Asp Val Pro Gln Val Leu Arg Leu Ala Cys Thr Asp Thr	
	180
Ser Leu Leu Glu Phe Leu Met Ile Ser Asn Ser Gly Met Leu Val Leu	
	195
Ile Trp Phe Leu Leu Leu Leu Ile Ser Tyr Thr Val Ile Leu Val Met	
	210
Leu Arg Ser His Ser Gly Gln Ala Arg Arg Lys Ala Ala Ser Thr Cys	
225	230
Thr Thr His Ile Ile Val Val Ser Met Ile Phe Ile Pro Cys Ile Tyr	
	245
Ile Tyr Ser Arg Pro Phe Thr Pro Phe Pro Leu Asp Lys Ala Val Ser	
	260
Ile Ser Tyr Thr Val Leu Thr Pro Met Leu Asn Pro Met Ile Tyr Thr	
	275
Leu Arg Asn Gln Glu Met Gln Ala Ala Met Lys Arg Leu Ala Glu His	
	290
	295
	300

Leu Val Leu Thr Lys Arg Asn Glu Leu
305 310

<210> 2023

<211> 311

<212> PRT

<213> Mus musculus

<400> 2023

Met Gln Pro Gly Asn Leu Thr Trp Val Ser Glu Phe Val Phe Leu Gly
1 5 10 15
Phe Ser Glu Ile Trp Glu Leu Gln Val Phe Leu Phe Val Val Phe Leu
20 25 30
Cys Val Tyr Ser Thr Thr Val Val Gly Asn Leu Leu Ile Ile Val Thr
35 40 45
Val Ser Ser Asp Pro Arg Leu His Thr Pro Met Tyr Phe Leu Leu Arg
50 55 60
Asn Leu Ala Val Leu Asp Leu Cys Phe Ser Ser Val Thr Ala Pro Lys
65 70 75 80
Met Leu Val Asp Phe Leu Ser Glu Lys Lys Thr Ile Ser Tyr Gln Gly
85 90 95
Cys Met Ala Gln Val Phe Phe Phe His Phe Leu Gly Gly Ala Met Val
100 105 110
Phe Phe Leu Ser Val Met Ala Tyr Asp Arg Leu Val Ala Ile Ser Arg
115 120 125
Pro Leu His Tyr Val Thr Ile Met Asn Thr Gln His Cys Val Val Leu
130 135 140
Val Val Thr Ala Trp Val Val Gly Phe Val His Ser Ile Val Gln Leu
145 150 155 160
Ser Leu Met Leu Pro Leu Pro Phe Cys Gly Pro Asn Val Leu Asp Asn
165 170 175
Phe Tyr Cys Asp Val Pro Gln Val Leu Arg Leu Ala Cys Thr Asp Thr
180 185 190
Ser Leu Leu Glu Phe Leu Met Ile Ser Asn Ser Gly Met Leu Asp Val
195 200 205
Ile Trp Phe Phe Leu Leu Leu Ile Ser Tyr Leu Val Ile Leu Val Met
210 215 220
Leu Arg Ser His Ser Gly Glu Ala Arg Arg Lys Val Ala Ser Thr Cys
225 230 235 240
Thr Thr His Ile Ile Val Val Ser Met Ile Phe Ile Pro Ser Ile Tyr
245 250 255
Leu Tyr Ala Arg Pro Phe Thr Pro Phe Thr Met Asp Lys Ala Val Ser
260 265 270
Ile Ser His Thr Val Met Thr Pro Met Leu Asn Pro Met Ile Tyr Thr
275 280 285
Leu Arg Asn Gln Glu Met Gln Ala Ala Leu Lys Arg Leu Gly Met His
290 295 300
Leu Leu Val Cys Arg Lys Glu
305 310

<210> 2024

<211> 309

<212> PRT

<213> Mus musculus

<400> 2024

Met Glu Ile Ile Asn Lys Thr Ala Lys Val Gln Phe Phe Phe Arg Pro

1				5					10					15			
Phe	Ser	Pro	Asp	Pro	Gly	Val	Gln	Met	Val	Ile	Phe	Val	Thr	Phe	Leu		
			20					25					30				
Val	Met	Tyr	Leu	Thr	Ser	Leu	Ser	Gly	Asn	Ala	Thr	Ile	Ala	Val	Ile		
		35					40					45					
Val	His	Ile	Asn	His	Ser	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ala		
	50					55					60						
Asn	Leu	Ala	Val	Leu	Glu	Ile	Phe	Tyr	Thr	Ser	Ser	Ile	Ala	Pro	Leu		
65				70					75					80			
Ala	Leu	Ala	Asn	Leu	Leu	Ser	Met	Gly	Lys	Thr	Pro	Val	Ser	Ile	Thr		
			85						90					95			
Gly	Cys	Gly	Thr	Gln	Met	Phe	Phe	Phe	Val	Phe	Leu	Gly	Gly	Ala	Asp		
			100					105					110				
Cys	Val	Leu	Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg	Phe	Val	Ala	Ile	Cys		
		115					120					125					
Tyr	Pro	Leu	Arg	Tyr	Thr	Leu	Ile	Met	Ser	Trp	Ser	Leu	Cys	Val	Glu		
	130					135					140						
Met	Met	Val	Gly	Ser	Leu	Val	Leu	Gly	Phe	Leu	Leu	Ser	Leu	Pro	Leu		
145					150					155				160			
Thr	Ile	Leu	Ile	Phe	His	Leu	Pro	Phe	Cys	His	Asn	Asn	Glu	Ile	Tyr		
			165						170					175			
His	Phe	Tyr	Cys	Asp	Met	Pro	Ala	Val	Ile	Arg	Leu	Ala	Cys	Gly	Asp		
			180					185					190				
Thr	His	Val	His	Arg	Thr	Ala	Leu	Tyr	Ile	Ile	Ser	Phe	Ile	Val	Leu		
		195					200					205					
Ser	Ile	Pro	Leu	Thr	Leu	Ile	Ser	Ile	Ser	Tyr	Val	Phe	Ile	Ile	Thr		
	210					215					220						
Ala	Ile	Leu	Arg	Ile	Arg	Ser	Ala	Glu	Gly	Arg	His	Arg	Ala	Phe	Ser		
225					230					235					240		
Thr	Cys	Ser	Ser	His	Ile	Val	Val	Val	Leu	Leu	Gln	Tyr	Gly	Cys	Thr		
			245						250					255			
Ser	Phe	Ile	Tyr	Leu	Ser	Pro	Ser	Ser	Ser	Tyr	Ser	Pro	Glu	Met	Gly		
		260						265					270				
Arg	Met	Val	Ser	Val	Val	Tyr	Thr	Phe	Ile	Thr	Pro	Ile	Leu	Asn	Pro		
		275					280					285					
Leu	Ile	Tyr	Ser	Met	Arg	Asn	Lys	Glu	Leu	Lys	Asp	Ala	Leu	Arg	Lys		
	290					295					300						
Ala	Leu	Arg	Lys	Phe													
305																	

<210> 2025

<211> 313

<212> PRT

<213> Mus musculus

<400> 2025

Met	Asp	Lys	His	Asn	Leu	Thr	Val	Val	Thr	Glu	Phe	Ile	Leu	Met	Gly		
1				5					10				15				
Ile	Thr	Glu	Asn	Pro	Glu	Leu	Gln	Ala	Pro	Leu	Phe	Gly	Leu	Phe	Leu		
			20					25				30					
Val	Ile	Tyr	Leu	Thr	Ser	Val	Ile	Gly	Asn	Leu	Gly	Ile	Ile	Ile	Leu		
		35					40				45						
Thr	Asn	Val	Asp	Ala	Lys	Leu	Gln	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Arg		
	50					55					60						
His	Leu	Ala	Phe	Thr	Asp	Phe	Val	Tyr	Ser	Thr	Val	Gly	Pro	Lys			
65					70				75					80			
Met	Leu	Val	Asn	Phe	Val	Val	Asp	Gln	Asn	Ala	Ile	Ser	Tyr	Ser	Leu		
			85						90					95			

Cys	Ala	Thr	Gln	Leu	Ala	Phe	Phe	Leu	Leu	Phe	Ile	Gly	Ser	Asp	Leu	
			100					105					110			
Phe	Ile	Leu	Ser	Ala	Met	Ser	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	
		115					120					125				
Pro	Leu	Leu	Tyr	Thr	Val	Ile	Met	Ser	His	Lys	Val	Cys	Trp	Val	Leu	
	130					135					140					
Val	Thr	Met	Thr	Tyr	Leu	Tyr	Cys	Thr	Phe	Met	Ser	Leu	Val	Val	Thr	
145					150					155					160	
Ile	Asn	Ile	Phe	Ser	Leu	Ser	Phe	Cys	Gly	Tyr	Asn	Val	Ile	Asn	His	
				165					170					175		
Phe	Phe	Cys	Asp	Cys	Ile	Pro	Leu	Ile	Ser	Leu	Leu	Cys	Ser	Asn	Thr	
			180					185					190			
Gln	Glu	Val	Glu	Leu	Ile	Val	Met	Ile	Phe	Ala	Ala	Phe	Asp	Leu	Ile	
		195					200					205				
Ser	Ser	Leu	Val	Val	Val	Leu	Met	Ser	Tyr	Leu	Leu	Ile	Leu	Ile	Ala	
	210					215					220					
Val	Leu	Arg	Met	Asn	Ser	Ala	Glu	Gly	Arg	Arg	Lys	Ala	Phe	Ser	Thr	
225				230					235						240	
Cys	Gly	Ser	His	Leu	Thr	Val	Val	Thr	Val	Phe	Tyr	Gly	Thr	Leu	Ile	
				245					250					255		
Phe	Met	Tyr	Val	Gln	Pro	Glu	Ser	Ser	His	Ser	Ile	Asp	Thr	Asp	Lys	
			260					265					270			
Ile	Ser	Ser	Ile	Phe	Tyr	Thr	Leu	Ile	Ile	Pro	Leu	Leu	Asn	Pro	Leu	
		275					280					285				
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Glu	Ala	Leu	Gln	Arg	Thr	
	290				295						300					
Trp	Gln	Lys	Ile	Phe	Asn	Thr	Phe	Ser								
305					310											

<210> 2026

<211> 313

<212> PRT

<213> Mus musculus

<400> 2026

Met	Glu	Asn	Gln	Asn	Arg	Thr	Val	Val	Thr	Glu	Phe	Ile	Leu	Met	Gly	
1				5					10					15		
Ile	Thr	Asp	His	Pro	Glu	Leu	Gln	Ser	Leu	Phe	Gly	Leu	Phe	Leu		
			20					25				30				
Leu	Ile	Tyr	Leu	Ile	Ser	Leu	Val	Gly	Asn	Leu	Gly	Met	Ile	Val	Leu	
		35					40					45				
Thr	Met	Val	Asp	Ser	Arg	Leu	Gln	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Arg	
	50					55					60					
His	Leu	Ala	Thr	Thr	Asp	Leu	Gly	Tyr	Ser	Thr	Thr	Val	Gly	Pro	Lys	
65					70					75				80		
Met	Leu	Thr	Asn	Phe	Ile	Val	Asp	Gln	Asn	Arg	Ile	Ser	Phe	Asn	Leu	
				85					90					95		
Cys	Ala	Thr	Gln	Leu	Ala	Phe	Phe	Leu	Leu	Phe	Ile	Ala	Cys	Glu	Leu	
			100					105					110			
Phe	Ile	Leu	Ser	Ala	Met	Ser	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	
		115					120					125				
Pro	Leu	Phe	Tyr	Met	Val	Ile	Met	Ser	Lys	Arg	Leu	Cys	Trp	Val	Leu	
	130					135					140					
Val	Val	Ile	Pro	Tyr	Val	Tyr	Cys	Thr	Ile	Val	Ala	Leu	Leu	Ile	Thr	
145					150					155					160	
Ile	Lys	Ile	Phe	Thr	Leu	Ser	Phe	Cys	Gly	Ser	Asn	Val	Ile	Ser	His	
				165					170					175		
Phe	Tyr	Cys	Asp	Ser	Leu	Pro	Leu	Leu	Ser	Leu	Val	Cys	Ser	Asn	Thr	

			180					185					190				
Gln	Glu	Ile	Glu	Val	Ile	Met	Leu	Phe	Leu	Ser	Ala	Phe	Asn	Leu	Ile		
		195					200					205					
Ser	Ser	Leu	Leu	Leu	Val	Leu	Val	Ser	Tyr	Leu	Leu	Ile	Leu	Ile	Ala		
	210					215					220						
Ile	Leu	Arg	Met	Asn	Ser	Ala	Glu	Gly	Arg	Arg	Lys	Ala	Phe	Ser	Thr		
225					230				235						240		
Cys	Gly	Ser	His	Leu	Thr	Val	Asp	Thr	Val	Phe	Tyr	Gly	Thr	Leu	Ile		
			245						250					255			
Phe	Met	Tyr	Met	Gln	Pro	Lys	Ser	Ser	His	Ser	Phe	Asp	Thr	Asp	Lys		
			260					265					270				
Leu	Ala	Ser	Val	Phe	Tyr	Thr	Leu	Ile	Ile	Pro	Met	Leu	Asn	Pro	Leu		
	275						280					285					
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Asp	Ala	Leu	His	Arg	Thr		
	290				295						300						
Gly	Lys	Lys	Leu	His	Ser	Val	Cys	Phe									
305					310												

<210> 2027

<211> 315

<212> PRT

<213> Mus musculus

<400> 2027

Met	Gln	Met	Glu	Ser	Gln	Asn	Leu	Thr	Val	Val	Thr	Glu	Phe	Ile	Leu		
1				5					10					15			
Arg	Gly	Ile	Thr	Asp	Arg	Pro	Glu	Leu	Gln	Val	Pro	Leu	Phe	Gly	Leu		
			20				25						30				
Phe	Phe	Met	Ile	Tyr	Leu	Ile	Ser	Leu	Phe	Gly	Asn	Leu	Gly	Met	Ile		
		35					40					45					
Ile	Leu	Thr	Ile	Val	Glu	Ser	Arg	Leu	Gln	Thr	Pro	Met	Tyr	Phe	Phe		
	50					55					60						
Leu	Arg	His	Leu	Ala	Ile	Thr	Asp	Leu	Gly	Tyr	Ser	Thr	Ala	Ile	Gly		
65					70				75						80		
Pro	Lys	Met	Leu	Ala	Asn	Phe	Val	Val	Ser	Lys	Asn	Thr	Ile	Ser	Phe		
				85					90					95			
His	Leu	Cys	Ala	Thr	Gln	Leu	Ala	Phe	Phe	Leu	Leu	Phe	Ile	Ala	Cys		
			100					105						110			
Glu	Leu	Phe	Ile	Leu	Ser	Val	Met	Ser	Tyr	Asp	Arg	Tyr	Val	Ala	Ile		
		115					120					125					
Cys	Asn	Pro	Leu	Leu	Tyr	Asn	Val	Ile	Met	Ser	Gln	Thr	Val	Cys	Trp		
	130					135					140						
Val	Leu	Val	Ala	Ile	Pro	Tyr	Leu	Tyr	Ser	Val	Phe	Ile	Ser	Leu	Ile		
145					150					155					160		
Val	Thr	Ile	Asn	Ile	Phe	Ser	Ser	Ser	Phe	Cys	Gly	Tyr	Asn	Val	Ile		
			165						170					175			
Pro	His	Phe	Tyr	Cys	Asp	Gly	Leu	Pro	Leu	Ile	Ser	Leu	Leu	Cys	Thr		
			180					185						190			
Asn	Thr	Asp	Lys	Ile	Gly	Leu	Ile	Ile	Leu	Ile	Leu	Ser	Ala	Ile	Asn		
		195					200					205					
Leu	Ile	Ser	Ser	Leu	Leu	Ile	Ile	Leu	Gly	Ser	Tyr	Leu	Leu	Ile	Phe		
	210					215					220						
Arg	Ala	Ile	Leu	Arg	Met	Asn	Ser	Ala	Glu	Gly	Arg	Arg	Lys	Ala	Phe		
225					230					235					240		
Ser	Thr	Cys	Gly	Ser	His	Leu	Thr	Val	Val	Ser	Val	Phe	Tyr	Gly	Thr		
			245						250					255			
Leu	Ile	Phe	Met	Tyr	Val	Gln	Pro	Lys	Thr	Ser	His	Ser	Phe	Asp	Thr		
			260					265						270			

Asp	Lys	Val	Ala	Ser	Ile	Phe	Tyr	Thr	Leu	Val	Ile	Pro	Met	Leu	Asn
		275					280					285			
Pro	Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Tyr	Ala	Leu	Arg
	290					295					300				
Lys	Thr	Gly	Lys	Ile	Ile	Gln	Asn	Asn	Phe	Ser					
305					310					315					

<210> 2028

<211> 313

<212> PRT

<213> Mus musculus

<400> 2028

Met	Glu	Asn	His	Asn	Leu	Thr	Met	Val	Thr	Glu	Phe	Ile	Leu	Val	Gly
1				5					10					15	
Ile	Thr	Asp	Arg	Pro	Glu	Leu	Gln	Ala	Pro	Leu	Phe	Gly	Leu	Phe	Leu
			20					25					30		
Ile	Ile	Tyr	Leu	Ile	Thr	Leu	Val	Gly	Asn	Leu	Gly	Met	Ile	Ile	Leu
		35					40					45			
Thr	Met	Val	Asp	Ser	Arg	Leu	Gln	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Arg
	50					55					60				
His	Leu	Ala	Thr	Thr	Asp	Leu	Gly	Tyr	Ser	Thr	Ala	Val	Gly	Pro	Lys
65					70					75				80	
Met	Leu	Arg	Asn	Phe	Leu	Val	Glu	Gln	Asn	Thr	Ile	Ser	Ile	Tyr	Phe
				85					90					95	
Cys	Ala	Val	Gln	Leu	Ser	Phe	Phe	Ser	Met	Phe	Ile	Val	Ser	Glu	Phe
			100					105					110		
Phe	Ile	Leu	Ser	Ala	Met	Ser	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys
		115					120					125			
Pro	Leu	Leu	Tyr	Asn	Val	Ile	Met	Ser	Gln	Arg	Val	Cys	Trp	Leu	Leu
	130					135					140				
Val	Ala	Ile	Pro	Tyr	Leu	Tyr	Ser	Ile	Phe	Val	Ala	Leu	Ile	Val	Thr
145					150					155				160	
Ile	Asn	Ile	Phe	Ser	Ser	Ser	Phe	Cys	Gly	His	Asn	Ile	Ile	Ser	His
				165					170					175	
Phe	Tyr	Cys	Asp	Gly	Leu	Pro	Leu	Ile	Ser	Leu	Leu	Cys	Ser	Asn	Lys
			180					185					190		
Lys	Glu	Ser	Glu	Met	Ile	Ile	Leu	Ile	Leu	Ser	Thr	Ile	Asn	Leu	Ile
		195					200					205			
Ser	Ser	Pro	Val	Val	Ile	Leu	Val	Ser	Tyr	Leu	Leu	Ile	Leu	Arg	Ala
	210					215						220			
Ile	Leu	Lys	Met	Asn	Ser	Ala	Glu	Gly	Arg	Gln	Lys	Ala	Phe	Ser	Thr
225					230					235				240	
Cys	Gly	Ser	His	Leu	Thr	Val	Val	Thr	Val	Phe	Tyr	Gly	Thr	Leu	Ile
				245					250					255	
Phe	Met	Tyr	Val	Gln	Pro	Lys	Ser	Asn	His	Thr	Leu	Asn	Thr	Asp	Lys
			260					265					270		
Val	Ala	Ser	Ile	Phe	Tyr	Thr	Leu	Ile	Ile	Pro	Met	Leu	Asn	Pro	Leu
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Tyr	Ala	Leu	Arg	Lys	Thr
	290					295					300				
Gly	Lys	Ser	Ile	Gln	Asn	Ile	Phe	Ser							
305					310										

<210> 2029

<211> 313

<212> PRT

<213> Mus musculus

<400> 2029

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Met Lys Lys Gln Asn Phe Thr Met Val Thr Glu Phe Ile Leu Val Gly
 1      5      10
Ile Thr Asp Arg Pro Glu Leu Gln Ala Pro Leu Phe Gly Leu Phe Leu
 20      25      30
Ile Ile Tyr Leu Ile Thr Leu Val Gly Asn Leu Gly Met Ile Ile Leu
 35      40      45
Thr Met Val Asp Ser Arg Leu Gln Thr Pro Met Tyr Phe Phe Leu Arg
 50      55      60
His Leu Ala Thr Thr Asp Leu Gly Tyr Ser Thr Ala Val Gly Pro Lys
 65      70      75
Met Leu Arg Asn Phe Leu Val Glu Gln Asn Thr Ile Ser Phe Tyr Ile
 85      90      95
Cys Ala Val Gln Leu Thr Phe Phe Asn Met Phe Ile Val Ser Glu Phe
100      105      110
Phe Ile Leu Ser Ala Met Ser Tyr Asp Arg Tyr Val Ala Ile Cys Lys
115      120      125
Pro Leu Leu Tyr Asn Val Ile Met Ser Gln Arg Val Cys Trp Val Leu
130      135      140
Val Ala Ile Pro Tyr Ile Tyr Ser Ile Phe Val Ala Leu Leu Ile Ser
145      150      155
Ile Asn Ile Phe Ser Ser Ser Phe Cys Gly His Asn Ile Ile Ser His
165      170      175
Phe Tyr Cys Asp Gly Leu Pro Leu Ile Ser Leu Leu Cys Ser Tyr Arg
180      185      190
Lys Glu Asn Glu Met Ile Thr Phe Ile Leu Ser Ile Ile Asn Leu Ile
195      200      205
Thr Ser Pro Leu Val Ile Leu Ala Ser Tyr Leu Leu Ile Leu Arg Ala
210      215      220
Ile Leu Arg Met Asn Ser Ala Glu Gly Arg Gln Lys Ala Phe Ser Thr
225      230      235
Cys Gly Ser His Leu Thr Val Val Thr Val Phe Tyr Gly Thr Leu Ile
245      250      255
Phe Met Tyr Val Gln Pro Lys Ser Ser Asp Ser Leu Lys Thr Asp Lys
260      265      270
Val Ala Ser Ile Phe Tyr Ala Leu Ile Ile Pro Met Leu Asn Pro Leu
275      280      285
Ile Tyr Ser Leu Arg Asn Lys Asp Val Lys Ser Ala Leu Arg Lys Thr
290      295      300
Gly Lys Thr Ile Gln Asn Ile Phe Ser
305      310
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<210> 2030

<211> 298

<212> PRT

<213> Mus musculus

<400> 2030

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Met Gly Leu Ser Asn Ser Arg Glu Leu Gln Ile Phe Leu Phe Ala Phe
 1      5      10
Phe Phe Val Phe Tyr Val Gly Ile Val Phe Gly Asn Leu Leu Ile Val
 20      25      30
Ile Thr Val Thr Asn Asp Ser His Leu His Ser Pro Met Tyr Phe Leu
 35      40      45
Leu Ala Asn Leu Ser Phe Ile Asp Leu Cys Val Ser Ser Val Thr Ala
 50      55      60
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Pro	Lys	Thr	Ile	Ala	Asp	Phe	Phe	Tyr	Lys	Arg	Lys	Val	Ile	Ser	Val
65					70					75					80
Lys	Gly	Cys	Phe	Thr	Gln	Ile	Phe	Leu	Leu	His	Phe	Phe	Gly	Gly	Ser
			85					90						95	
Glu	Met	Val	Thr	Leu	Val	Ala	Met	Ala	Phe	Asp	Arg	Tyr	Val	Ala	Ile
			100					105					110		
Cys	Lys	Pro	Leu	Ser	Tyr	Thr	Thr	Val	Met	Arg	Gly	Asn	Val	Cys	Val
		115					120					125			
Ser	Ile	Val	Ala	Thr	Ala	Trp	Ala	Ile	Gly	Phe	Leu	His	Ser	Val	Ser
	130					135					140				
Gln	Leu	Ala	Phe	Ala	Ile	Ser	Leu	Pro	Phe	Cys	Gly	Pro	Asn	Arg	Val
145					150					155					160
Asp	Ser	Phe	Tyr	Cys	Asp	Leu	Pro	Arg	Val	Ile	Lys	Leu	Ala	Cys	Ala
				165					170					175	
Glu	Thr	Tyr	Arg	Leu	Asp	Ile	Met	Val	Ile	Ala	Asn	Ser	Gly	Val	Leu
			180					185					190		
Ser	Val	Cys	Ser	Phe	Val	Leu	Leu	Ile	Ile	Ser	Tyr	Gly	Ile	Ile	Leu
		195					200					205			
Met	Thr	Ile	Gln	Arg	Arg	Pro	Ser	Asp	Arg	Ser	Ser	Lys	Ala	Leu	Ser
	210					215					220				
Thr	Leu	Thr	Ala	His	Ile	Thr	Val	Val	Leu	Leu	Phe	Phe	Gly	Pro	Cys
225					230					235					240
Ile	Phe	Ile	Tyr	Ala	Trp	Pro	Phe	Pro	Ile	Lys	Ser	Leu	Asp	Lys	Phe
				245					250					255	
Leu	Ala	Val	Phe	Tyr	Ser	Val	Val	Thr	Pro	Leu	Leu	Asn	Pro	Ile	Ile
			260					265					270		
Tyr	Thr	Leu	Arg	Asn	Thr	Glu	Met	Lys	Thr	Ala	Met	Arg	Arg	Leu	Arg
		275					280					285			
Gln	Trp	Asn	Leu	Ser	Phe	Trp	Val	Lys	Ser						
	290					295									

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<211> 312

<212> PRT

<213> Mus musculus

<400> 2031

Met	Asp	Gly	Gly	Asn	Arg	Ser	Val	Val	Ser	Glu	Phe	Ile	Leu	Gln	Gly
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Leu	Ser	His	Ser	Lys	Asn	Ile	Gln	Val	Leu	Leu	Phe	Val	Ile	Phe	Leu
			20					25					30		
Met	Leu	Tyr	Leu	Phe	Ile	Val	Ser	Gly	Asn	Ile	Val	Ile	Leu	Thr	Leu
		35					40					45			
Ile	Thr	Thr	Asp	Pro	His	Leu	His	Ser	Pro	Met	Tyr	Phe	Leu	Leu	Ala
	50					55				60					
Asn	Leu	Ser	Phe	Val	Asp	Met	Cys	Leu	Ser	Ser	Asn	Ile	Thr	Pro	Lys
65					70					75					80
Met	Ile	Thr	Asp	Phe	Leu	Arg	Glu	Asn	Lys	Thr	Ile	Ser	Phe	Ala	Gly
			85						90					95	
Cys	Met	Ser	Gln	Val	Phe	Phe	Thr	His	Cys	Ile	Ala	Gly	Gly	Glu	Met
			100					105					110		
Ile	Leu	Leu	Val	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys
		115					120					125			
Pro	Leu	His	Tyr	Phe	Thr	Ile	Met	Asn	Leu	Lys	Arg	Cys	Thr	Gly	Leu
	130					135					140				
Val	Leu	Thr	Ser	Trp	Thr	Ile	Gly	Phe	Ile	His	Gly	Ile	Ser	Tyr	Leu
145					150					155					160
Val	Val	Phe	Val	His	Leu	Pro	Phe	Cys	Gly	Pro	Lys	Glu	Ile	Asp	Ser

				165					170					175			
Phe	Phe	Cys	Asp	Met	Pro	Leu	Ile	Ile	Lys	Leu	Ala	Cys	Met	Asp	Ser		
			180						185					190			
His	Asn	Leu	Asn	Thr	Leu	Met	Asn	Ala	Glu	Cys	Gly	Val	Val	Val	Val		
		195					200						205				
Thr	Cys	Phe	Ser	Leu	Leu	Leu	Ile	Ser	Tyr	Thr	Tyr	Ile	Leu	Val	Thr		
	210						215					220					
Val	Ser	Lys	Ser	Ser	Lys	Ala	Gly	Ala	Ser	Lys	Ala	Leu	Ser	Thr	Cys		
225					230					235					240		
Ser	Ala	His	Ile	Thr	Val	Val	Met	Ile	Phe	Phe	Val	Pro	Cys	Ile	Phe		
			245						250					255			
Ile	Tyr	Val	Trp	Pro	Leu	Ser	Ile	Thr	Trp	Phe	Asp	Lys	Phe	Leu	Ala		
			260					265						270			
Val	Phe	Tyr	Ser	Val	Ile	Thr	Pro	Leu	Leu	Asn	Pro	Thr	Ile	Tyr	Thr		
		275					280					285					
Leu	Arg	Asn	Lys	Glu	Ile	Lys	Asn	Ala	Met	Lys	Arg	Phe	Ile	Gly	Lys		
	290					295					300						
Phe	Leu	Gly	Pro	Lys	Arg	Asn	Ser										
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<213> Mus musculus

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Met	Asp	Gly	Glu	Asn	His	Thr	Val	Val	Ser	Ala	Phe	Val	Phe	Leu	Gly		
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Leu	Thr	His	Ser	Trp	Glu	Ile	Gln	Leu	Leu	Leu	Leu	Val	Leu	Ser	Ser		
			20					25					30				
Val	Leu	Tyr	Ile	Leu	Ser	Met	Ala	Gly	Asn	Ile	Leu	Ile	Val	Phe	Ser		
		35					40					45					
Val	Thr	Ile	Asp	Pro	His	Leu	His	Ser	Pro	Met	Tyr	Phe	Leu	Leu	Ala		
	50					55					60						
Cys	Leu	Ser	Phe	Ile	Asp	Leu	Val	Ala	Cys	Ser	Val	Thr	Ser	Pro	Lys		
65					70				75						80		
Met	Val	Tyr	Asp	Leu	Phe	Arg	Lys	His	Lys	Val	Ile	Ser	Phe	Gly	Gly		
			85						90					95			
Cys	Ile	Thr	Gln	Ile	Phe	Phe	Ile	His	Leu	Val	Gly	Gly	Val	Glu	Met		
			100					105					110				
Val	Leu	Leu	Val	Ala	Met	Ala	Phe	Asp	Arg	Tyr	Ile	Ala	Ile	Cys	Lys		
		115					120					125					
Pro	Leu	His	Tyr	Leu	Thr	Ile	Met	Ser	Pro	Arg	Val	Cys	Val	Leu	Phe		
	130					135					140						
Leu	Gly	Ala	Ala	Trp	Gly	Leu	Gly	Ile	Ser	His	Ser	Leu	Phe	Gln	Leu		
145					150					155					160		
Ala	Phe	Leu	Ile	Asp	Leu	Pro	Phe	Cys	Gly	Pro	Asn	Thr	Leu	Asp	Ser		
			165						170					175			
Phe	Tyr	Cys	Asp	Leu	Pro	Lys	Leu	Leu	Arg	Leu	Ala	Cys	Arg	Asp	Thr		
			180					185						190			
Tyr	Lys	Leu	Gln	Phe	Met	Val	Thr	Ile	Asn	Ser	Gly	Phe	Ile	Cys	Val		
		195					200					205					
Gly	Ser	Phe	Leu	Leu	Leu	Leu	Ile	Ser	Tyr	Ile	Phe	Ile	Leu	Phe	Ser		
	210					215					220						
Val	Trp	Lys	His	Ser	Ser	Gly	Gly	Ser	Ser	Lys	Ala	Leu	Ser	Thr	Leu		
225					230					235					240		
Ser	Ala	His	Ile	Thr	Val	Val	Phe	Leu	Phe	Phe	Gly	Pro	Thr	Leu	Phe		
			245						250					255			

Ile	Tyr	Thr	Trp	Pro	His	Pro	Asn	Ser	Gln	Ile	Asp	Lys	Phe	Leu	Ala	
			260					265					270			
Leu	Phe	Asp	Ala	Val	Leu	Thr	Pro	Phe	Leu	Asn	Pro	Val	Ile	Tyr	Thr	
		275					280					285				
Phe	Arg	Asn	Lys	Glu	Met	Lys	Val	Ala	Ile	Arg	Arg	Val	Phe	Lys	Thr	
	290					295					300					
Leu	Leu	Thr	Phe	Arg	Gly	Ile	Ser									
305					310											

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<212> PRT

<213> Mus musculus

<400> 2033

Met	Ile	Arg	Ala	Asn	His	Ser	Ala	Val	Ser	Glu	Phe	Val	Leu	Leu	Gly	
1				5					10				15			
Leu	Ser	Asn	Ser	Trp	Glu	Ile	Gln	Val	Phe	Ile	Phe	Phe	Phe	Thr	Cys	
		20					25					30				
Leu	Phe	Tyr	Val	Ser	Ser	Leu	Thr	Gly	Asn	Phe	Ile	Ile	Val	Val	Thr	
	35					40					45					
Val	Thr	Ser	Asp	Pro	Tyr	Leu	His	Ser	Pro	Met	Tyr	Phe	Leu	Leu	Ala	
	50					55				60						
Asn	Leu	Ser	Val	Ile	Asp	Leu	Ile	Phe	Cys	Ser	Ile	Ala	Ala	Pro	Lys	
65				70					75					80		
Met	Ile	Cys	Asp	Leu	Phe	Arg	Lys	Gln	Lys	Val	Ile	Ser	Phe	Gly	Gly	
		85						90					95			
Cys	Ile	Ser	Gln	Ile	Phe	Phe	Ser	His	Ala	Val	Gly	Gly	Thr	Glu	Met	
	100						105						110			
Val	Leu	Leu	Ile	Ala	Met	Ala	Phe	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	
	115					120					125					
Pro	Leu	Arg	Tyr	Leu	Thr	Ile	Met	Ser	Pro	Arg	Met	Cys	Leu	Leu	Ile	
	130				135					140						
Leu	Val	Ala	Ala	Trp	Ile	Ile	Gly	Leu	Ile	His	Ser	Ser	Ala	Gln	Leu	
145					150				155					160		
Ala	Phe	Val	Ile	Asn	Leu	Pro	Phe	Cys	Gly	Pro	Asn	Ile	Leu	Asp	Ser	
			165					170					175			
Phe	Tyr	Cys	Asp	Ile	Pro	Arg	Leu	Val	Lys	Leu	Ala	Cys	Thr	Asp	Thr	
	180						185					190				
Tyr	Lys	Leu	Glu	Leu	Met	Ile	Thr	Ala	Asn	Ser	Gly	Phe	Ile	Ser	Leu	
	195					200					205					
Ile	Ala	Phe	Phe	Leu	Leu	Ile	Ile	Ser	Tyr	Val	Phe	Leu	Leu	Thr	Thr	
	210				215					220						
Val	Gln	Lys	Gln	Ser	Ser	Gly	Cys	Ser	Ser	Lys	Ala	Leu	Ser	Thr	Leu	
225				230					235					240		
Leu	Ala	His	Ile	Thr	Val	Val	Val	Leu	Phe	Phe	Gly	Pro	Leu	Ile	Phe	
		245						250					255			
Phe	Tyr	Val	Cys	Pro	Ser	Pro	Ser	Thr	His	Val	Asp	Lys	Phe	Leu	Ala	
		260					265						270			
Ile	Phe	Asp	Ala	Val	Leu	Thr	Pro	Phe	Leu	Asn	Pro	Ile	Ile	Tyr	Thr	
	275					280					285					
Leu	Arg	Asn	Arg	Asp	Met	Lys	Ile	Ala	Ile	Arg	Lys	Val	Phe	Cys	Gln	
	290				295						300					
Cys	Leu	Ala	Phe	Arg	Lys	Ser	Met									
305					310											

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<400> 2034

Met	Tyr	Phe	Pro	Gln	Leu	Ser	Asp	Pro	Met	Asp	Gln	Val	Asn	Ala	Ser
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Ala	Leu	Pro	Glu	Phe	Val	Leu	Leu	Gly	Leu	Ala	Gln	Ser	Phe	Gly	Thr
			20					25					30		
Gln	Ile	Phe	Phe	Gly	Leu	Phe	Phe	Ser	Leu	Phe	Tyr	Val	Gly	Ile	Leu
		35					40					45			
Phe	Gly	Asn	Leu	Phe	Ile	Val	Phe	Ile	Val	Ile	Val	Asp	Ser	His	Leu
		50				55					60				
His	Phe	Pro	Met	Tyr	Ile	Leu	Leu	Ala	Asn	Leu	Ser	Leu	Ile	Asp	Leu
65					70					75					80
Gly	Leu	Ser	Ser	Thr	Thr	Ile	Pro	Arg	Thr	Ile	Ser	Asp	Leu	Phe	Thr
				85					90					95	
Gly	Cys	Lys	Val	Ile	Ser	Phe	His	Ser	Cys	Met	Thr	Gln	Met	Phe	Phe
			100					105					110		
Ile	His	Val	Met	Gly	Gly	Val	Glu	Met	Val	Leu	Leu	Ile	Ala	Met	Ala
		115					120					125			
Tyr	Asp	Arg	Tyr	Ile	Ala	Ile	Cys	Lys	Pro	Leu	His	Tyr	Leu	Met	Ile
	130					135					140				
Met	Asn	Pro	Lys	Lys	Cys	Ile	Ile	Leu	Val	Ile	Ala	Ala	Trp	Val	Ile
145					150					155					160
Gly	Met	Ile	His	Ala	Val	Ser	Gln	Phe	Leu	Phe	Val	Val	Asn	Leu	Pro
				165					170					175	
Phe	Cys	Gly	Pro	Tyr	Asn	Val	Gly	Ser	Phe	Tyr	Cys	Asp	Phe	Pro	Arg
			180					185					190		
Val	Ile	Lys	Leu	Ala	Cys	Met	Asp	Thr	Tyr	Lys	Leu	Glu	Phe	Val	Val
		195					200					205			
Ser	Ala	Asn	Ser	Gly	Phe	Ile	Ser	Met	Cys	Thr	Phe	Phe	Phe	Leu	Ile
		210				215					220				
Thr	Ser	Tyr	Ile	Phe	Ile	Leu	Ala	Ser	Val	Arg	Gln	His	Ser	Ser	Thr
225					230					235					240
Asp	Leu	Ser	Lys	Ala	Phe	Val	Thr	Leu	Ser	Ala	His	Ile	Thr	Val	Val
				245					250					255	
Val	Leu	Phe	Phe	Ile	Pro	Cys	Met	Phe	Leu	Tyr	Val	Trp	Pro	Phe	Pro
			260					265					270		
Thr	Lys	Ser	Leu	Asp	Asn	Phe	Phe	Ala	Ile	Val	Asp	Phe	Val	Leu	Thr
		275				280						285			
Pro	Val	Leu	Asn	Pro	Thr	Ile	Tyr	Thr	Leu	Arg	Asn	Lys	Asp	Met	Arg
		290				295					300				
Leu	Ala	Ile	Arg	Arg	Leu	Ser	Arg	Gln	Val	Leu	Ser	Ser	Arg	Glu	Phe
305					310					315					320
Ile															

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<400> 2035

Met	Asp	Pro	Ser	Asn	Tyr	Ser	Thr	Leu	His	Val	Phe	Ile	Leu	Leu	Gly
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Phe	Ser	Asp	His	Pro	His	Leu	Glu	Met	Ile	Leu	Ser	Gly	Val	Val	Thr
			20					25					30		

Phe	Phe	Tyr	Ile	Ile	Thr	Leu	Val	Gly	Asn	Thr	Ala	Ile	Ile	Leu	Ala
		35					40					45			
Ser	Leu	Leu	Asp	Pro	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Arg
	50					55					60				
Asn	Leu	Ser	Phe	Leu	Asp	Leu	Cys	Tyr	Thr	Thr	Ser	Ile	Val	Pro	Gln
65					70					75					80
Met	Leu	Val	Asn	Leu	Trp	Gly	Pro	Glu	Lys	Thr	Ile	Ser	Ser	Val	Gly
				85					90					95	
Cys	Ile	Val	Gln	Leu	Tyr	Val	Tyr	Met	Trp	Leu	Gly	Ser	Ile	Glu	Cys
			100					105					110		
Leu	Leu	Leu	Ala	Val	Met	Ser	Tyr	Asp	Arg	Phe	Thr	Ala	Ile	Cys	Lys
			115					120				125			
Pro	Leu	His	Tyr	Phe	Val	Ile	Met	Asn	Pro	Arg	Leu	Cys	Val	Lys	Met
	130					135					140				
Ile	Val	Met	Val	Trp	Gly	Ile	Ser	Leu	Ala	Asn	Ser	Val	Ile	Leu	Cys
145					150					155					160
Thr	Leu	Thr	Val	Asn	Leu	Pro	Arg	Cys	Gly	His	Asn	Ile	Leu	Asp	His
				165					170					175	
Phe	Leu	Cys	Glu	Leu	Pro	Ala	Met	Val	Arg	Ile	Ala	Cys	Val	Asp	Thr
			180					185					190		
Thr	Lys	Val	Glu	Leu	Ser	Val	Phe	Ala	Leu	Gly	Ile	Val	Ile	Val	Leu
	195						200					205			
Thr	Pro	Leu	Ile	Leu	Ile	Leu	Ile	Ser	Tyr	Gly	Tyr	Ile	Ala	Lys	Thr
	210					215					220				
Val	Leu	Asn	Met	Lys	Ser	Lys	Ala	Gly	Gln	Gln	Lys	Ala	Met	Asn	Thr
225					230					235					240
Cys	Gly	Ser	His	Leu	Thr	Val	Val	Ser	Ile	Phe	Tyr	Gly	Ser	Ile	Ile
				245					250					255	
Tyr	Leu	Tyr	Leu	Gln	Pro	Gly	Asn	Arg	Ala	Ser	Lys	Asp	Gln	Gly	Lys
			260					265					270		
Phe	Leu	Thr	Leu	Phe	Tyr	Thr	Ile	Ile	Thr	Pro	Ser	Leu	Asn	Pro	Leu
		275					280					285			
Ile	Tyr	Thr	Leu	Arg	Asn	Arg	Asp	Met	Lys	Asp	Ala	Leu	Lys	Lys	Leu
	290					295					300				
Met	Arg	Phe	Tyr	His	Arg	Phe									
305					310										

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<212> PRT

<213> Mus musculus

<400> 2036

Met	Ile	Pro	Gly	Gln	Asn	Gln	Ser	Trp	Val	Ser	Glu	Phe	Ile	Leu	Ile
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Gly	Phe	Ser	Ser	Asp	Pro	Thr	Thr	Asn	Ser	Ile	Leu	Phe	Ile	Val	Phe
			20					25					30		
Leu	Leu	Ile	Tyr	Leu	Ser	Ser	Val	Leu	Gly	Asn	Gly	Leu	Ile	Ile	Met
			35				40					45			
Leu	Val	Cys	Leu	Asp	Thr	Gln	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu
	50					55					60				
Ser	Thr	Leu	Ser	Leu	Leu	Asp	Met	Ser	Phe	Val	Thr	Thr	Thr	Met	Pro
65					70					75					80
Gln	Met	Leu	Val	His	Leu	Leu	Ala	His	Ser	Gln	Thr	Ile	Ser	Phe	Ala
				85					90					95	
Ser	Cys	Cys	Leu	Gln	Met	Phe	Val	Phe	Gly	Ala	Leu	Gly	Ile	Thr	Glu
			100					105					110		
Cys	Thr	Phe	Phe	Val	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys

Val	Ile	Ser	Met	Pro	Val	Pro	Leu	Met	Phe	Ile	Leu	Phe	Ser	Tyr	Leu
210						215					220				
Cys	Ile	Leu	Lys	Ala	Val	Leu	Arg	Ile	His	Pro	Thr	Lys	Ala	Arg	Leu
225					230					235					240
Lys	Ala	Phe	Ser	Thr	Cys	Ala	Ser	His	Leu	Ile	Val	Val	Thr	Ile	Tyr
				245					250					255	
Phe	Gly	Thr	Leu	Ile	Tyr	Ile	Tyr	Met	Arg	Pro	Gln	Ser	Lys	Ile	Ser
			260					265					270		
His	Asn	Gly	Asp	Lys	Ile	Val	Ser	Ile	Phe	Tyr	Ala	Ala	Val	Thr	Pro
		275					280				285				
Met	Leu	Asn	Pro	Leu	Ile	Tyr	Thr	Leu	Arg	Asn	Lys	Asp	Val	Lys	Ala
	290					295					300				
Val	Leu	Arg	Arg	Val	Asn	Cys	Gly	Val	Lys	Ser					
305					310					315					

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<212> PRT

<213> Mus musculus

<400> 2038

Met	Lys	Asn	Ser	Thr	Val	Leu	Thr	Glu	Phe	Val	Leu	Thr	Gly	Leu	Thr
1				5					10					15	
Glu	Ser	Pro	Glu	Leu	Gln	Val	Pro	Leu	Phe	Leu	Phe	Phe	Leu	Val	Ile
			20					25					30		
Tyr	Leu	Ile	Thr	Ile	Val	Gly	Asn	Leu	Gly	Leu	Ile	Ala	Leu	Ile	Trp
		35				40						45			
Asn	Asp	Pro	His	Leu	His	Ile	Pro	Met	Tyr	Phe	Phe	Leu	Gly	His	Leu
	50					55					60				
Ala	Phe	Val	Asp	Ala	Ser	Leu	Ser	Ser	Thr	Val	Ala	Pro	Lys	Met	Leu
					70					75					80
Leu	Asp	Phe	Leu	Gln	Met	Asn	Lys	Met	Ile	Ser	Tyr	Ser	Glu	Cys	Met
			85						90					95	
Thr	Gln	Phe	Phe	Ile	Phe	Ala	Ile	Cys	Val	Thr	Thr	Glu	Cys	Phe	Leu
			100					105					110		
Leu	Ser	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu
		115					120					125			
Leu	Tyr	Pro	Met	Ile	Met	Thr	Lys	Arg	Leu	Cys	Ile	Cys	Leu	Leu	Val
	130					135					140				
Leu	Ser	Phe	Val	Gly	Gly	Ile	Leu	His	Ser	Ser	Ile	His	Glu	Gly	Phe
				150						155					160
Leu	Leu	Leu	Leu	Asn	Phe	Cys	Asn	Ser	Asn	Ile	Val	His	His	Phe	Phe
				165					170					175	
Cys	Asp	Ile	Val	Pro	Leu	Leu	Lys	Ile	Ser	Cys	Ala	Asp	Thr	Thr	Leu
			180					185					190		
Asn	Phe	Gln	Leu	Ile	Phe	Val	Phe	Ala	Gly	Ile	Ile	Gln	Val	Phe	Thr
		195						200					205		
Val	Val	Ile	Val	Leu	Val	Ser	Tyr	Thr	Leu	Val	Leu	Phe	Thr	Ile	Leu
	210					215						220			
Gln	Arg	Lys	Ser	Val	Gln	Ser	Met	Lys	Lys	Ala	Phe	Ser	Thr	Cys	Gly
					230					235					240
Ala	His	Leu	Leu	Ser	Val	Ser	Leu	Tyr	Tyr	Gly	Pro	Leu	Leu	Ile	Met
				245					250					255	
Tyr	Ile	Phe	Pro	Val	Ser	Gln	Glu	Ala	Asp	Gly	Gln	Asp	Ile	Ile	Asp
			260					265					270		
Ser	Leu	Phe	Tyr	Thr	Val	Ile	Ile	Pro	Val	Leu	Asn	Pro	Ile	Ile	Tyr
		275					280					285			
Ser	Leu	Arg	Asn	Lys	Gln	Val	Met	Asp	Ser	Arg	Lys	Arg	Cys		

290

295

300

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<211> 303

<212> PRT

<213> Mus musculus

<400> 2039

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Met Glu Lys Ile Asn His Ser Glu Ile Ser Glu Phe Ile Ile Leu Gly
 1          5          10          15
Leu Cys Asp Ser Trp Glu Leu Gln Ala Phe Phe Leu Val Ile Phe Thr
 20          25          30
Ser Leu Tyr Leu Ile Thr Ile Phe Gly Asn Ile Phe Ile Val Val Leu
 35          40          45
Ile Ile Thr Asp Leu His Leu His Thr Pro Met Tyr Phe Leu Leu Ala
 50          55          60
Asn Leu Ser Phe Ile Asp Phe Cys Leu Ser Ser Val Thr Thr Pro Lys
 65          70          75          80
Met Ile Ile Asp Phe Leu Lys Glu Ile Lys Thr Ile Ser Phe Gly Gly
 85          90          95
Cys Met Cys Gln Ile Phe Phe Gly His Phe Phe Gly Gly Gly Glu Met
100          105          110
Val Leu Leu Val Ser Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Lys
115          120          125
Pro Leu His Tyr Ser Asn Ile Met Ser Arg His Met Cys Ile Gly Leu
130          135          140
Val Met Ala Ser Trp Met Ile Gly Phe Val His Ser Ile Ser Gln Leu
145          150          155          160
Val Ile Ile Val Asn Leu Pro Phe Cys Gly Ser Arg Val Leu Asp Ser
165          170          175
Phe Phe Cys Asp Ile Pro Leu Val Ile Lys Leu Ala Cys Leu Asp Ile
180          185          190
Tyr Val Leu Glu Ile Leu Ile Asn Ala Asp Ser Gly Val Leu Ala Ala
195          200          205
Ile Cys Phe Val Leu Leu Leu Val Ser Tyr Phe His Ile Leu Thr Thr
210          215          220
Val Cys Leu His Ser Lys Asp Gly Ala Ser Lys Ala Leu Ser Thr Cys
225          230          235          240
Thr Ala His Ile Thr Val Val Val Leu Phe Phe Gly Pro Cys Ile Phe
245          250          255
Ile Tyr Leu Trp Pro Val Ser Ile Thr Trp Val Asp Lys Phe Leu Ala
260          265          270
Val Phe Tyr Ala Val Ile Thr Pro Leu Leu Asn Pro Ala Ile Tyr Thr
275          280          285
Leu Arg Asn Lys Glu Ile Lys Thr Ala Met Lys Arg Leu Gln Cys
290          295          300

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<210> 2040

<211> 312

<212> PRT

<213> Mus musculus

<400> 2040

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Met Asn Glu Ile Asn Tyr Thr Glu Val Ser Glu Phe Val Phe Leu Gly
 1          5          10          15
Leu Ser Thr Ser Lys His Ile Gln His Phe Phe Leu Ala Phe Ser Val
 20          25          30

```

Val	Phe	Tyr	Val	Thr	Ile	Val	Leu	Gly	Asn	Thr	Leu	Val	Val	Phe	Thr
	35						40				45				
Leu	Ala	Phe	Asp	Pro	His	Leu	His	Ser	Pro	Met	Tyr	Phe	Leu	Leu	Gly
	50					55					60				
Asn	Leu	Ser	Phe	Ile	Asp	Leu	Cys	Leu	Ser	Thr	Leu	Thr	Val	Pro	Lys
65					70					75					80
Met	Ile	Ser	Asp	Leu	Ser	Ser	Gly	His	Asn	Thr	Ile	Ser	Phe	Gln	Gly
				85					90					95	
Cys	Val	Phe	Gln	Ile	Phe	Val	Leu	His	Val	Leu	Gly	Ala	Ser	Glu	Met
			100					105					110		
Val	Leu	Leu	Val	Ala	Met	Ala	Trp	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys
	115						120					125			
Pro	Leu	His	Tyr	Leu	Thr	Ile	Met	Ser	Pro	Arg	Met	Cys	Leu	Leu	Leu
	130					135					140				
Leu	Ser	Gly	Ala	Trp	Ile	Ile	Gly	Phe	Leu	His	Ser	Val	Ala	Gln	Leu
145					150					155					160
Gly	Phe	Val	Val	His	Leu	Arg	Phe	Cys	Gly	Pro	Asn	Lys	Ile	Asp	Ser
				165					170					175	
Phe	Tyr	Cys	Asp	Leu	Pro	Arg	Phe	Ile	Lys	Leu	Ala	Cys	Ile	Asp	Asn
			180					185					190		
Tyr	Arg	Met	Glu	Phe	Met	Val	Ala	Ala	Asn	Ser	Gly	Ile	Ile	Ser	Ile
	195						200						205		
Gly	Thr	Phe	Phe	Leu	Leu	Ile	Ile	Ser	Tyr	Ile	Val	Ile	Leu	Phe	Asn
	210					215					220				
Val	Arg	Lys	His	Ser	Ser	Gly	Asp	Leu	Ser	Lys	Ala	Leu	Ser	Thr	Leu
225					230					235					240
Ser	Ala	His	Ile	Ser	Val	Val	Val	Leu	Phe	Phe	Gly	Pro	Cys	Ile	Phe
				245					250					255	
Val	Tyr	Met	Trp	Pro	Phe	Pro	Thr	Val	Pro	Val	Asp	Lys	Phe	Leu	Ala
			260					265					270		
Ile	Leu	Asp	Phe	Met	Ile	Thr	Pro	Ile	Leu	Asn	Pro	Ala	Ile	Tyr	Thr
	275						280					285			
Leu	Arg	Asn	Lys	Asp	Met	Lys	Val	Ala	Met	Arg	Lys	Leu	Ser	Tyr	Gln
	290					295					300				
Phe	Leu	Asn	Phe	Arg	Lys	Met	Ser								
305					310										

<210> 2041

<211> 313

<212> PRT

<213> Mus musculus

<400> 2041

Met	Phe	Lys	Lys	Asn	Tyr	Thr	Lys	Val	Ser	Glu	Phe	Val	Phe	Leu	Gly
1				5					10					15	
Leu	Ser	Ser	Ser	Arg	Lys	Ile	Arg	Pro	Phe	Leu	Leu	Ala	Phe	Ser	Met
			20					25					30		
Val	Leu	Tyr	Val	Ala	Ile	Val	Leu	Gly	Asn	Thr	Leu	Val	Val	Phe	Thr
	35						40					45			
Leu	Ala	Phe	Asp	Pro	His	Leu	His	Ser	Pro	Met	Tyr	Phe	Leu	Leu	Gly
	50					55					60				
Asn	Leu	Ala	Phe	Ile	Asp	Leu	Cys	Leu	Ser	Thr	Leu	Thr	Val	Pro	Lys
65					70					75					80
Met	Ile	Ser	Asp	Leu	Ser	Ser	Gly	His	Asn	Ala	Ile	Ser	Phe	Gln	Gly
				85					90					95	
Cys	Val	Phe	Gln	Ile	Phe	Val	Leu	His	Val	Leu	Gly	Ala	Thr	Glu	Met
			100					105					110		
Val	Leu	Leu	Val	Ala	Met	Ala	Trp	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys

Pro	Leu	His	Tyr	Leu	Thr	Ile	Met	Ser	Pro	Arg	Met	Cys	Leu	Met	Leu
130							135				140				
Leu	Ser	Gly	Ala	Trp	Val	Ile	Gly	Phe	Leu	His	Ser	Val	Thr	Gln	Leu
145							150				155				160
Ala	Phe	Ile	Ile	Lys	Leu	Asn	Phe	Cys	Gly	Pro	Asn	Glu	Ile	Asp	Ser
				165					170					175	
Phe	Tyr	Cys	Asp	Leu	Pro	Gln	Phe	Ile	Lys	Leu	Ala	Cys	Ile	Asp	Pro
			180					185					190		
Lys	Lys	Met	Gln	Phe	Met	Val	Thr	Ala	Asn	Ser	Gly	Phe	Ile	Ser	Met
		195					200					205			
Gly	Thr	Phe	Leu	Leu	Leu	Ile	Ile	Ser	Tyr	Ile	Val	Ile	Leu	Phe	Ile
	210					215					220				
Val	Arg	Lys	His	Ser	Ser	Ser	Gly	Asp	Leu	Ser	Lys	Ala	Leu	Ser	Thr
225					230					235					240
Leu	Ser	Ala	His	Ile	Ser	Val	Val	Val	Leu	Phe	Phe	Gly	Pro	Cys	Ile
				245					250					255	
Phe	Val	Tyr	Met	Trp	Pro	Phe	Pro	Thr	Val	Pro	Val	Asp	Lys	Phe	Leu
			260					265					270		
Ala	Ile	Leu	Asp	Phe	Met	Val	Thr	Pro	Ile	Leu	Asn	Pro	Ala	Ile	Tyr
		275					280					285			
Thr	Leu	Arg	Asn	Lys	Asp	Met	Lys	Val	Ala	Met	Arg	Arg	Leu	Ile	Thr
	290					295					300				
Gln	Leu	Phe	Asn	Leu	Arg	Lys	Ser	Pro							
305					310										

<210> 2042

<211> 313

<212> PRT

<213> Mus musculus

<400> 2042

Met	Pro	Met	Asp	Gln	Leu	Asn	Asp	Ser	Arg	Val	Ser	Glu	Phe	Val	Leu
1				5					10					15	
Leu	Gly	Leu	Ser	Ser	Ser	Trp	Glu	Thr	Lys	Val	Phe	Leu	Met	Val	Thr
			20					25					30		
Phe	Ser	Met	Leu	Tyr	Ile	Gly	Ile	Ile	Leu	Gly	Asn	Leu	Phe	Ile	Val
	35					40						45			
Ile	Leu	Val	Ile	Ala	Asp	Ser	His	Leu	His	Ser	Pro	Met	Tyr	Phe	Leu
	50					55					60				
Leu	Ala	Asn	Leu	Ser	Leu	Asn	Asp	Val	Trp	Val	Ser	Ser	Thr	Thr	Val
65					70				75						80
Pro	Lys	Met	Ile	Ser	Asp	Leu	Leu	Lys	Glu	His	Lys	Val	Ile	Ser	Phe
				85					90					95	
His	Asn	Cys	Met	Thr	Gln	Ile	Cys	Phe	Ile	His	Ile	Met	Gly	Gly	Val
		100						105					110		
Glu	Met	Val	Leu	Leu	Ile	Ala	Met	Ala	Phe	Asp	Arg	Tyr	Thr	Ala	Ile
		115					120					125			
Cys	Lys	Pro	Leu	Arg	Tyr	Leu	Ser	Ile	Met	Ser	Pro	Arg	Ile	Cys	Ile
	130					135					140				
Ser	Phe	Val	Ile	Ala	Gly	Trp	Val	Thr	Gly	Val	Val	His	Ala	Met	Ser
145					150					155					160
Gln	Phe	Ser	Phe	Val	Val	Ser	Leu	Pro	Phe	Cys	Gly	Pro	Asn	Lys	Val
				165					170					175	
Asp	Ser	Phe	Tyr	Cys	Asp	Phe	Pro	Arg	Ile	Ile	Gln	Leu	Ala	Cys	Thr
		180					185					190			
Asp	Gly	Asp	Lys	Phe	Glu	Phe	Val	Val	Ala	Ala	Asn	Ser	Gly	Phe	Met
	195						200					205			

Ser	Met	Gly	Thr	Phe	Phe	Leu	Leu	Leu	Leu	Ser	Tyr	Val	Phe	Ile	Leu
	210					215					220				
Val	Thr	Val	Trp	Gln	Arg	Ser	Ser	Gly	Asp	Leu	Ser	Lys	Ala	Leu	Val
225					230					235					240
Thr	Leu	Ser	Ala	His	Ile	Thr	Val	Val	Val	Leu	Phe	Phe	Thr	Pro	Cys
				245						250					255
Met	Phe	Leu	Tyr	Val	Trp	Pro	Phe	Pro	Thr	Ser	Ser	Ile	Asp	Lys	Tyr
			260					265					270		
Leu	Phe	Ile	Ala	Asp	Phe	Ala	Ile	Thr	Pro	Ala	Leu	Asn	Pro	Val	Ile
		275					280					285			
Tyr	Thr	Phe	Arg	Asn	Lys	Asp	Ile	Arg	Ile	Ala	Ile	Gly	Arg	Leu	Ser
	290					295					300				
Lys	Arg	Ala	Val	Cys	Ser	Arg	Phe	Cys							
305					310										

<210> 2043

<211> 316

<212> PRT

<213> Mus musculus

<400> 2043

Met	Asp	Gly	Asn	Lys	Thr	Phe	Pro	Ser	Asp	Phe	Thr	Phe	Val	Gly	Leu
1				5					10					15	
Phe	Thr	His	Asn	Lys	Ala	Ser	Gly	Phe	Leu	Phe	Ser	Val	Ile	Cys	Ala
			20					25					30		
Thr	Phe	Phe	Met	Ala	Ile	Leu	Ala	Asn	Gly	Val	Met	Ile	Phe	Leu	Ile
		35					40					45			
His	Ile	Asp	Pro	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Leu	Leu	Ser	His
	50					55					60				
Leu	Ser	Phe	Ile	Asp	Met	Met	Tyr	Ile	Ser	Thr	Ile	Val	Pro	Lys	Ile
65					70					75					80
Leu	Val	Asp	Tyr	Ile	Val	Gly	Lys	Gly	Ile	Ile	Ser	Phe	Ala	Ala	Cys
				85					90					95	
Thr	Ala	Gln	Tyr	Phe	Leu	Tyr	Met	Gly	Phe	Val	Gly	Ala	Glu	Phe	Phe
			100					105					110		
Leu	Leu	Gly	Leu	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asn	Pro
		115					120					125			
Leu	Arg	Tyr	Pro	Val	Leu	Met	Ser	Arg	Arg	Val	Cys	Trp	Phe	Ile	Leu
	130					135					140				
Ala	Ser	Ser	Trp	Phe	Gly	Gly	Ala	Leu	Asp	Ser	Phe	Leu	Leu	Thr	Pro
145					150					155					160
Ile	Thr	Met	Ser	Leu	Pro	Phe	Cys	Ala	Ser	His	Lys	Ile	Asn	His	Phe
				165					170					175	
Phe	Cys	Glu	Ala	Pro	Thr	Met	Leu	Arg	Leu	Ala	Cys	Gly	Asp	Lys	Ala
			180					185					190		
Ile	Tyr	Glu	Met	Val	Met	Tyr	Ile	Cys	Cys	Val	Val	Met	Leu	Leu	Val
		195					200					205			
Pro	Phe	Ser	Val	Val	Ile	Thr	Ser	Tyr	Ala	Gln	Ile	Leu	Val	Thr	Val
	210					215					220				
His	His	Ile	Lys	Ser	Glu	Glu	Gly	Arg	Lys	Lys	Ala	Phe	Ala	Thr	Cys
225					230					235					240
Ser	Ser	His	Val	Ile	Val	Val	Thr	Leu	Phe	Tyr	Gly	Ala	Ala	Leu	Tyr
				245					250					255	
Thr	Tyr	Met	Leu	Pro	Gln	Ala	Tyr	His	Thr	Pro	Leu	Lys	Asp	Lys	Ile
			260					265					270		
Phe	Ser	Ala	Phe	Tyr	Thr	Ile	Leu	Thr	Pro	Leu	Leu	Asn	Pro	Val	Ile
		275					280					285			
Tyr	Ser	Leu	Arg	Asn	Arg	Asp	Val	Ala	Gly	Ala	Leu	Lys	Arg	Val	Ile

290		295		300
Ala Arg His Arg Gly	Ala Cys Ser Val Glu Arg	Lys		
305	310	315		

<210> 2044
 <211> 316
 <212> PRT
 <213> Mus musculus

<400> 2044

Met	Glu	Asn	His	Asn	Leu	Thr	Met	Val	Thr	Glu	Phe	Ile	Leu	Met	Gly
1				5					10					15	
Ile	Thr	Ala	Cys	Pro	Glu	Leu	Gln	Pro	Leu	Phe	Val	Leu	Phe	Leu	
			20					25					30		
Ile	Ile	Tyr	Leu	Ile	Ser	Leu	Ile	Gly	Asn	Leu	Gly	Met	Ile	Ile	Leu
		35					40					45			
Thr	Leu	Val	Asp	Ser	Arg	Leu	Gln	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Arg
		50				55					60				
His	Leu	Ser	Thr	Thr	Asp	Leu	Gly	Tyr	Thr	Thr	Ala	Val	Gly	Pro	Lys
65					70					75					80
Met	Leu	Gln	Asn	Phe	Leu	Val	Asp	Gln	Asn	Thr	Ile	Ser	Phe	His	Leu
			85						90					95	
Cys	Ala	Ile	Gln	Leu	Ser	Phe	Phe	Ser	Met	Phe	Ile	Ala	Cys	Glu	Ile
			100					105					110		
Tyr	Ile	Leu	Ser	Ala	Met	Ser	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys
		115					120					125			
Pro	Leu	Phe	Tyr	Met	Val	Ile	Met	Ser	Lys	Arg	Leu	Cys	Trp	Val	Leu
		130				135					140				
Val	Val	Ile	Pro	Tyr	Val	Tyr	Cys	Thr	Ile	Val	Ala	Leu	Leu	Ile	Thr
145					150					155					160
Ile	Lys	Ile	Phe	Thr	Leu	Ser	Phe	Cys	Gly	Ser	Asn	Val	Ile	Ser	His
			165						170					175	
Phe	Tyr	Cys	Asp	Ser	Leu	Pro	Leu	Leu	Ser	Leu	Val	Cys	Ser	Asn	Thr
			180					185					190		
Gln	Glu	Ile	Glu	Val	Ile	Leu	Leu	Tyr	Leu	Ser	Ala	Phe	Asn	Leu	Ile
		195					200					205			
Ser	Ser	Leu	Leu	Leu	Val	Leu	Val	Ser	Tyr	Leu	Leu	Ile	Leu	Ile	Ala
		210				215					220				
Ile	Ile	Arg	Met	His	Ser	Ala	Glu	Gly	Arg	Arg	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Gly	Ser	His	Leu	Thr	Met	Val	Thr	Val	Phe	Tyr	Gly	Thr	Leu	Ile
			245						250					255	
Phe	Met	Tyr	Met	Gln	Arg	Lys	Ser	Ser	His	Ser	Phe	Asp	Thr	Asp	Lys
			260					265					270		
Val	Ala	Ser	Ile	Phe	Tyr	Thr	Met	Val	Ile	Pro	Met	Leu	Asn	Pro	Leu
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Asp	Ala	Leu	His	Arg	Thr
		290				295					300				
Leu	Lys	Lys	Ile	His	Gly	Phe	Leu	Leu	Lys	Leu	Thr				
305					310						315				

<210> 2045
 <211> 309
 <212> PRT
 <213> Mus musculus

<400> 2045

Met	Ser	Met	Glu	Asn	Ser	Ser	Thr	Gly	Thr	Lys	Phe	Ile	Leu	Leu	Gly
1				5				10					15		
Met	Thr	Asp	Asn	Tyr	Gln	Leu	Ala	Val	Leu	Leu	Phe	Gly	Leu	Phe	Phe
			20					25					30		
Ile	Ile	Tyr	Phe	Ile	Thr	Val	Leu	Gly	Asn	Leu	Gly	Leu	Val	Val	Leu
		35					40					45			
Ile	Gln	Val	Ser	His	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser
	50					55					60				
Asn	Leu	Ser	Phe	Leu	Asp	Val	Cys	Phe	Ser	Ser	Ile	Thr	Thr	Pro	Lys
65					70					75					80
Thr	Leu	Val	Asn	Leu	Leu	Ser	Gln	Leu	Gln	Glu	Val	Ser	Phe	Phe	Gly
			85						90					95	
Cys	Met	Ala	Gln	Met	Gly	Leu	Phe	Ile	Val	Phe	Ala	Ser	Ala	Glu	Cys
			100					105					110		
Asn	Ile	Leu	Ala	Ser	Met	Ala	Tyr	Asp	Arg	Tyr	Thr	Ala	Ile	Cys	Arg
		115					120					125			
Pro	Leu	Leu	Tyr	His	Ile	Thr	Met	Ser	Lys	Val	Arg	Cys	Leu	Leu	Leu
	130					135					140				
Val	Ala	Gly	Cys	Tyr	Leu	Gly	Gly	Leu	Leu	Asn	Met	Val	Ala	Val	Thr
145					150					155					160
Thr	Ser	Ile	Thr	Gln	Leu	Ser	Phe	Cys	Gln	Pro	Gln	Val	Ile	Ser	His
				165					170					175	
Phe	Phe	Cys	Asp	Ile	Pro	Pro	Leu	Leu	Ala	Leu	Ala	Cys	Ser	Asp	Pro
			180					185					190		
Trp	Val	Thr	Gln	Val	Leu	Val	Val	Gly	Cys	Gly	Gly	Phe	Thr	Leu	Val
		195					200					205			
Thr	Ser	Val	Met	Val	Ile	Leu	Val	Ser	Tyr	Leu	Ser	Ile	Phe	Met	Thr
	210					215					220				
Ile	Met	Gly	Ile	Pro	Ser	Val	Ser	Gly	Lys	Gln	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Ala	Ser	His	Leu	Thr	Ala	Val	Ala	Leu	Tyr	Tyr	Gly	Thr	Thr	Met
				245					250					255	
Tyr	Thr	Tyr	Leu	Gln	Pro	Ser	Arg	His	Gly	Ser	Gln	Ala	Gly	Asn	Arg
			260					265					270		
Met	Ile	Ser	Val	Phe	Tyr	Thr	Met	Leu	Ile	Pro	Met	Leu	Asn	Pro	Leu
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Gln	Glu	Val	Lys	Val	Ala	Leu	Gln	Lys	Ile
	290					295					300				
Leu	Arg	His	Ser	Gln											
305															

<210> 2046

<211> 308

<212> PRT

<213> Mus musculus

<400> 2046

Met	Ala	Asn	Leu	Ser	Thr	Val	Ser	Val	Phe	Ile	Leu	Gln	Gly	Phe	Ser
1				5					10					15	
Ala	Val	Pro	Ala	Leu	Gln	Leu	Leu	Ser	Met	Ala	Ile	Phe	Leu	Leu	Ile
			20					25					30		
Tyr	Leu	Ala	Ala	Val	Leu	Gly	Asn	Val	Ser	Ile	Met	Ile	Ala	Val	Thr
		35				40						45			
Leu	Asp	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Ile	Lys	His	Leu
	50					55					60				
Ser	Leu	Val	Asp	Leu	Cys	Ser	Thr	Ser	Thr	Thr	Leu	Pro	Arg	Ala	Leu
65					70					75					80
Val	Ala	Thr	Met	Ala	Asp	Thr	Lys	Glu	Ile	Ser	Leu	Pro	Ala	Cys	Ala

				85					90					95			
Ser	Gln	Leu	Phe	Ala	Phe	Val	Cys	Phe	Gly	Ser	Leu	Glu	Cys	Phe	Leu		
			100					105					110				
Ile	Thr	Ala	Met	Ala	Phe	Asp	Arg	Cys	Leu	Ala	Ile	Tyr	Arg	Pro	Leu		
		115					120					125					
Thr	Tyr	Gly	Val	Thr	Met	Ser	Ser	Gln	Thr	Cys	Val	Ser	Leu	Val	Val		
		130				135					140						
Val	Ala	Trp	Val	Ser	Gly	Leu	Leu	Phe	Ser	Thr	Phe	His	Met	Val	Asn		
145					150					155					160		
Thr	Phe	Ser	Leu	Pro	Phe	Cys	Gly	Pro	Asn	Met	Ile	Asp	His	Phe	Phe		
				165					170					175			
Cys	Asp	Ile	Pro	Pro	Leu	Met	His	Leu	Ala	Cys	Gly	Asp	Thr	Gln	Gly		
			180					185					190				
His	Glu	Ala	Ala	Gly	Phe	Ile	Val	Ser	Gly	Cys	Val	Ile	Met	Thr	Cys		
		195					200					205					
Phe	Ala	Leu	Thr	Cys	Leu	Ser	Tyr	Val	Leu	Ile	Val	Tyr	Thr	Val	Val		
		210				215					220						
His	Ile	Arg	Ser	Ala	Ala	Gly	Arg	Trp	Lys	Ala	Phe	Ser	Thr	Cys	Ser		
225					230					235					240		
Ser	His	Leu	Ala	Thr	Val	Leu	Leu	Phe	Tyr	Gly	Thr	Gly	Ser	Ser	Ala		
				245					250					255			
Tyr	Met	Gln	Pro	Thr	Ala	His	Tyr	Ser	Pro	Leu	Gln	Gly	Arg	Met	Ala		
			260					265					270				
Ala	Ile	Phe	Tyr	Ser	Ile	Leu	Met	Pro	Thr	Leu	Asn	Pro	Leu	Ile	Tyr		
		275					280					285					
Ser	Leu	Arg	Asn	Lys	Asp	Met	Lys	Ala	Ala	Leu	Arg	Lys	Leu	Tyr	Pro		
		290				295					300						
Gln	Val	Pro	Ser														
305																	

<210> 2047

<211> 319

<212> PRT

<213> Mus musculus

<400> 2047

Met	Leu	Phe	Cys	Ser	Pro	Gln	Met	Glu	Thr	Ser	Leu	Glu	Leu	Thr	Asn		
1				5					10					15			
Met	Thr	Arg	Val	Gln	Gln	Phe	Val	Leu	Gly	Phe	Pro	Thr	Arg	Leu			
			20					25				30					
Gly	Ile	Arg	Asp	Ala	Leu	Phe	Val	Val	Phe	Leu	Ser	Leu	Tyr	Leu	Leu		
		35				40					45						
Thr	Leu	Leu	Glu	Asn	Thr	Leu	Ile	Ile	Tyr	Leu	Ile	Cys	Ser	His	Lys		
		50				55					60						
Glu	Leu	His	Lys	Pro	Met	Tyr	Phe	Phe	Leu	Gly	Asn	Leu	Ser	Cys	Leu		
65					70				75					80			
Glu	Met	Cys	Tyr	Val	Ser	Ala	Thr	Met	Pro	Thr	Leu	Leu	Val	Gly	Leu		
				85					90					95			
Trp	Thr	Gly	Pro	Tyr	His	Ile	Ser	Phe	Ile	Thr	Cys	Met	Thr	Gln	Leu		
			100					105					110				
Phe	Phe	Phe	Val	Ser	Leu	Ile	Cys	Thr	Glu	Cys	Thr	Leu	Leu	Ala	Ser		
		115					120					125					
Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Arg	Pro	Leu	His	Tyr	Pro		
		130				135					140						
Leu	Leu	Met	Arg	Pro	Gln	Val	Cys	Leu	Gly	Leu	Ala	Leu	Ser	Ser	Trp		
145					150					155					160		
Leu	Gly	Gly	Leu	Val	Val	Ser	Ala	Ile	Lys	Thr	Lys	Cys	Ile	Ala	Ser		
				165					170					175			

Leu	Ile	Tyr	Cys	Gly	Pro	Asn	Val	Leu	Asn	Gln	Phe	Phe	Cys	Asp	Val
			180					185					190		
Ser	Pro	Leu	Leu	Asn	Leu	Ser	Cys	Thr	His	Val	Ala	Leu	Thr	Glu	Leu
		195					200					205			
Val	Asp	Phe	Ile	Ser	Ala	Ile	Val	Ile	Phe	Cys	Gly	Thr	Leu	Leu	Val
	210					215					220				
Ser	Leu	Ala	Ser	Tyr	Ser	Ala	Ile	Gly	Met	Ala	Val	Leu	Arg	Met	Pro
225					230					235					240
Ser	Ala	Ala	Ala	Arg	Arg	Lys	Ala	Phe	Ser	Thr	Cys	Ala	Ser	His	Leu
				245					250					255	
Val	Val	Val	Gly	Ile	Phe	Tyr	Ser	Ala	Ala	Leu	Phe	Ile	Tyr	Cys	Arg
			260					265					270		
Pro	Ser	Arg	Ile	Lys	Ser	Met	Asp	Leu	Asn	Lys	Val	Leu	Ser	Val	Ile
		275					280					285			
Tyr	Thr	Val	Val	Thr	Pro	Leu	Cys	Asn	Pro	Ile	Ile	Tyr	Cys	Leu	Arg
	290					295					300				
Asn	Lys	Glu	Val	His	Thr	Val	Leu	Lys	Lys	Thr	Leu	His	Trp	Pro	
305					310					315					

<210> 2048

<211> 305

<212> PRT

<213> Mus musculus

<400> 2048

Met	Glu	Leu	Asn	Arg	Thr	Gln	Leu	Thr	Glu	Phe	Val	Leu	Arg	Gly	Ile
1				5					10					15	
Thr	Asp	Arg	Ser	Glu	Leu	Gln	Val	Pro	Leu	Phe	Leu	Val	Phe	Phe	Leu
			20					25					30		
Ile	Tyr	Val	Ile	Thr	Met	Val	Gly	Asn	Leu	Gly	Leu	Ile	Phe	Val	Ile
		35					40					45			
Trp	Lys	Asp	Pro	His	Leu	His	Thr	Pro	Met	Tyr	Leu	Phe	Leu	Gly	Asn
	50					55					60				
Leu	Ala	Phe	Ala	Asp	Ala	Cys	Thr	Ser	Ser	Ser	Val	Thr	Pro	Lys	Met
65					70					75					80
Leu	Met	Lys	Phe	Ser	Asn	Lys	Asn	Asp	Met	Ile	Ser	Met	Gly	Glu	Cys
				85					90					95	
Phe	Ala	Gln	Phe	Tyr	Phe	Phe	Cys	Leu	Ser	Ala	Thr	Ala	Glu	Cys	Phe
			100					105					110		
Ile	Leu	Val	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro
		115					120					125			
Leu	Leu	Tyr	Val	Val	Val	Met	Ser	Asn	Arg	Leu	Cys	Ile	Gln	Phe	Ile
	130					135					140				
Gly	Val	Ser	Tyr	Leu	Ile	Gly	Leu	Leu	His	Gly	Leu	Leu	His	Val	Gly
145					150					155					160
Leu	Leu	Phe	Arg	Leu	Met	Phe	Cys	Ser	Ser	Asn	Val	Ile	Asn	His	Phe
				165					170					175	
Tyr	Cys	Glu	Ile	Leu	Pro	Leu	Tyr	Arg	Ile	Ser	Cys	Thr	Asp	Pro	Ser
			180					185					190		
Ile	Asn	Val	Leu	Val	Val	Phe	Ile	Met	Gly	Ile	Leu	Ile	Gln	Val	Ser
		195					200					205			
Thr	Phe	Met	Ser	Ile	Ile	Val	Ser	Tyr	Ile	Leu	Ile	Leu	Phe	Ala	Ile
	210					215					220				
Leu	Arg	Thr	Lys	Ser	Glu	Arg	Gly	Arg	Asn	Lys	Ala	Phe	Ser	Thr	Cys
225					230					235					240
Ser	Ser	His	Leu	Ser	Ser	Val	Ser	Leu	Phe	Tyr	Gly	Thr	Leu	Phe	Ile
				245					250					255	
Ile	Tyr	Val	Leu	Ser	Gly	Ser	Asp	Thr	Asp	Asn	Tyr	Gln	Gly	Lys	Met

<212> PRT

<213> Mus musculus

<400> 2050

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Met Leu Gly Asn Tyr Ser Ser Ala Thr Lys Phe Phe Leu Leu Gly Phe
 1          5          10          15
Pro Gly Thr Lys Glu Leu His His Ile Phe Ala Thr Phe Leu Leu
          20          25          30
Leu Tyr Ser Val Thr Val Leu Gly Asn Met Leu Ile Ile Ile Val Val
          35          40          45
His Ala Asp Lys Arg Leu Gln Ser Pro Met Tyr Phe Phe Leu Gly His
 50          55          60
Leu Ser Val Leu Glu Ile Leu Ile Thr Ser Val Ala Val Pro Tyr Met
65          70          75          80
Leu Gln Gly Leu Leu Arg Gln Thr Gln Ile Ile Ser Leu Ser Ala Cys
          85          90          95
Cys Val Gln Leu Tyr Leu Tyr Leu Ser Leu Gly Ser Ser Glu Leu Ile
          100          105          110
Leu Leu Gly Val Met Ala Val Asp Arg Tyr Val Ala Val Cys Asn Pro
          115          120          125
Leu Arg Tyr Asn Val Ile Met Ser Ser Tyr Thr Cys Thr Trp Met Val
          130          135          140
Thr Val Ser Trp Val Val Gly Phe Leu Phe Gln Ile Trp Pro Val Tyr
          145          150          155          160
Ala Thr Phe Gln Leu Thr Phe Cys Lys Thr Asn Leu Leu Asp His Phe
          165          170          175
Tyr Cys Asp Leu Gly Gln Leu Phe Lys Leu Ser Cys Glu Asn Thr Leu
          180          185          190
Phe Thr Glu Leu Ile Leu Phe Leu Met Ala Val Phe Ile Ile Val Gly
          195          200          205
Ser Met Ile Leu Thr Ile Ile Ser Tyr Thr Tyr Ile Ile Ser Thr Ile
          210          215          220
Leu Lys Ile Pro Ser Ala Ser Gly Arg Arg Lys Ala Phe Ser Thr Cys
          225          230          235          240
Ala Ser His Phe Thr Tyr Val Val Ile Gly Tyr Gly Ser Cys Leu Phe
          245          250          255
Leu Tyr Val Lys Pro Lys Gln Thr Gln Ala Ala Glu Tyr Asn Arg Val
          260          265          270
Val Ser Leu Leu Val Leu Val Val Glu Pro Phe Leu Asn Pro Phe Ile
          275          280          285
Phe Thr Leu Arg Asn Asp Lys Phe Ile Glu Ala Phe Arg Asp Gly Val
          290          295          300
Lys Arg Ser Cys Gln Leu Leu Lys His
305          310
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<210> 2051

<211> 311

<212> PRT

<213> Mus musculus

<400> 2051

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Met Asp Gln Ile Asn Glu Thr Val Ala Phe Glu Phe Val Leu Leu Gly
 1          5          10          15
Leu Ser Ser Ser Trp Lys Asn Thr Ile Phe Leu Met Ser Thr Phe Ser
          20          25          30
Leu Leu Tyr Val Ser Ile Ile Val Gly Asn Leu Phe Ile Val Phe Leu
          35          40          45
Val Ile Asn Asp Ser Arg Leu Gln Ser Pro Met Tyr Phe Leu Leu Ala
```

50		55		60											
Asn	Leu	Ser	Leu	Ile	Asp	Val	Gly	Leu	Ser	Ser	Thr	Thr	Val	Pro	Lys
65					70					75					80
Met	Ile	Ser	Asp	Leu	Leu	Lys	Glu	His	Lys	Val	Ile	Ser	Phe	His	Ser
				85					90					95	
Cys	Met	Thr	Gln	Ile	Cys	Ser	Ile	His	Ile	Met	Gly	Gly	Val	Glu	Met
			100					105					110		
Val	Leu	Leu	Ile	Ala	Met	Ala	Phe	Asp	Arg	Tyr	Thr	Ala	Ile	Cys	Lys
			115					120				125			
Pro	Leu	His	Tyr	Met	Ser	Ile	Met	Ser	Pro	Arg	Ile	Cys	Ile	Ser	Phe
						135					140				
Val	Ile	Ala	Gly	Trp	Val	Thr	Gly	Val	Val	His	Ala	Met	Ser	Gln	Phe
145					150					155					160
Ser	Phe	Val	Val	Asn	Leu	Pro	Phe	Cys	Gly	Pro	Asn	Lys	Val	Asp	Ser
				165					170					175	
Phe	Tyr	Cys	Asp	Phe	Pro	Arg	Ile	Ile	Gln	Leu	Ala	Cys	Thr	Asp	Arg
			180					185					190		
Asp	Thr	Phe	Glu	Phe	Val	Val	Ala	Ala	Asn	Ser	Gly	Phe	Met	Thr	Leu
			195				200					205			
Gly	Thr	Phe	Phe	Leu	Leu	Leu	Leu	Ser	Tyr	Val	Phe	Ile	Leu	Val	Thr
			210			215					220				
Val	Trp	Gln	Arg	Ser	Ser	Gly	Asp	Leu	Ser	Lys	Ala	Leu	Val	Thr	Leu
225					230					235					240
Ser	Ala	His	Ile	Thr	Val	Val	Val	Leu	Phe	Phe	Thr	Pro	Cys	Met	Phe
				245					250					255	
Leu	Tyr	Val	Trp	Pro	Phe	Pro	Thr	Ser	Ser	Thr	Asp	Lys	Tyr	Leu	Phe
			260					265					270		
Ile	Val	Asp	Phe	Ala	Val	Thr	Pro	Ala	Leu	Asn	Pro	Val	Ile	Tyr	Thr
		275					280					285			
Leu	Arg	Asn	Lys	Asp	Met	Lys	Glu	Ala	Ile	Lys	Lys	Leu	Ser	Lys	Gln
		290				295					300				
Arg	Cys	Tyr	Ile	Arg	Ile	Phe									
305					310										

<210> 2052
 <211> 327
 <212> PRT
 <213> Mus musculus

<400> 2052

Met	Lys	Arg	Lys	Leu	Arg	His	Leu	Thr	Val	Val	Met	Ser	Ile	Tyr	Asn
1				5					10					15	
Lys	Ser	Asp	Val	His	Pro	Ser	Thr	Phe	Ile	Leu	Ile	Gly	Ile	Pro	Gly
			20					25					30		
Leu	Glu	Ala	Ala	His	Met	Trp	Ile	Ser	Ile	Pro	Phe	Cys	Met	Val	Tyr
		35					40					45			
Val	Leu	Ala	Leu	Met	Gly	Asn	Ser	Ser	Leu	Leu	Phe	Ile	Ile	Lys	Thr
		50				55					60				
Asp	Ser	Ser	Leu	His	Glu	Pro	Met	Tyr	Leu	Phe	Leu	Cys	Met	Leu	Ala
65				70						75				80	
Val	Ala	Asp	Leu	Val	Val	Cys	Thr	Thr	Ala	Val	Pro	Lys	Leu	Leu	Ser
				85					90					95	
Leu	Phe	Trp	Phe	His	Asp	Gly	Glu	Ile	Arg	Phe	Glu	Ala	Cys	Leu	Thr
			100					105					110		
Gln	Ile	Phe	Leu	Ile	His	Ser	Cys	Ser	Thr	Met	Glu	Ser	Gly	Phe	Phe
		115					120					125			
Leu	Ala	Met	Ala	Phe	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asn	Pro	Leu	Arg
		130				135					140				

His	Ser	Ala	Ile	Leu	Thr	His	Thr	Val	Thr	Gly	Gly	Ile	Gly	Leu	Ala
145					150					155					160
Val	Val	Ile	Arg	Gly	Ile	Ala	Leu	Leu	Ser	Pro	His	Pro	Phe	Leu	Leu
				165					170					175	
Arg	Trp	Leu	Pro	Tyr	Cys	Lys	Thr	Asn	Ile	Ile	Ser	His	Thr	Tyr	Cys
			180					185					190		
Glu	Phe	Met	Ala	Leu	Ile	Lys	Ile	Ala	Cys	Ala	Glu	Thr	Ser	Ile	Arg
		195					200					205			
Arg	Ala	Tyr	Ser	Leu	Ile	Val	Ala	Phe	Leu	Thr	Gly	Gly	Val	Asp	Phe
	210					215					220				
Ile	Leu	Ile	Ile	Cys	Ser	Tyr	Val	Leu	Ile	Leu	Asn	Thr	Val	Phe	His
225					230					235					240
Leu	Pro	Thr	Lys	Asp	Ala	Arg	Leu	Lys	Thr	Leu	Gly	Thr	Cys	Gly	Ser
				245					250					255	
His	Val	Cys	Val	Ile	Leu	Val	Ser	Tyr	Thr	Pro	Ala	Phe	Phe	Ser	Phe
			260					265					270		
Leu	Thr	His	Arg	Phe	Gly	His	Lys	Val	Ala	Pro	Gln	Val	His	Ile	Phe
		275					280					285			
Val	Ala	Asn	Ile	Tyr	Leu	Leu	Val	Pro	Pro	Met	Val	Asn	Pro	Ile	Ile
	290					295					300				
Tyr	Gly	Val	Arg	Thr	Lys	Lys	Ile	Arg	Asn	Arg	Phe	Leu	Lys	Val	Phe
305					310					315					320
Arg	Phe	Ser	Lys	His	Thr	Asn									
				325											

<210> 2053

<211> 341

<212> PRT

<213> Mus musculus

<400> 2053

Met	Gln	Val	Val	Ser	Leu	Leu	Leu	Pro	Ser	Gly	Thr	Leu	Pro	Gly	Ser
1				5					10					15	
Thr	Met	Met	Pro	Cys	Asn	Ser	Thr	Ser	His	Pro	Ser	Phe	Phe	Ile	Leu
			20					25					30		
Gln	Gly	Ile	Pro	Gly	Met	Glu	Asp	Lys	His	Lys	Trp	Ile	Ser	Ile	Pro
		35					40					45			
Phe	Ser	Ser	Met	Tyr	Phe	Ile	Thr	Val	Met	Gly	Asn	Cys	Thr	Ile	Leu
	50					55				60					
Leu	Thr	Ile	Ser	Met	Glu	Arg	Ser	Leu	His	Lys	Pro	Met	Phe	Leu	Leu
65					70					75					80
Leu	Phe	Phe	Leu	Ala	Leu	Thr	Asp	Leu	Gly	Met	Ser	Thr	Thr	Thr	Ile
				85					90					95	
Pro	Lys	Val	Leu	Cys	Ile	Phe	Trp	Phe	Gly	Gln	Ser	Gln	Ile	Ser	Tyr
			100					105					110		
Glu	Gly	Cys	Leu	Val	Gln	Leu	Phe	Phe	Ile	His	Ser	Ile	Ser	Ala	Met
		115					120					125			
Gln	Ser	Ser	Val	Leu	Met	Thr	Met	Ala	Phe	Asp	Arg	Tyr	Val	Ala	Ile
	130					135					140				
Cys	Lys	Pro	Leu	Arg	Tyr	Ser	Thr	Ile	Leu	Ser	Asn	Ser	Arg	Ile	Gly
145					150					155					160
Leu	Ile	Gly	Leu	Ala	Ser	Leu	Val	Arg	Ala	Ile	Leu	Phe	Ile	Leu	Pro
				165					170					175	
Met	Pro	Ile	Leu	Leu	Gln	Arg	Met	Pro	Phe	His	Ala	Asn	Arg	Val	Ile
			180					185					190		
Pro	Thr	Thr	Tyr	Cys	Glu	His	Met	Ala	Val	Val	Lys	Met	Val	Cys	Val
		195					200					205			
Asp	Thr	Thr	Phe	Asn	Arg	Ile	Tyr	Gly	Leu	Val	Val	Ala	Met	Leu	Val

210		215		220
Val Gly Val Asp Ile Ser	Ala Ile Ala Ser Ser	Tyr Ala Leu Ile Leu		
225	230	235	240	
Arg Ala Ile Met His Leu	Ser Ser Lys Glu Ala His His	Lys Ala Val		
	245	250	255	
Asn Thr Cys Thr Thr His	Ile Cys Val Met Leu Val	Ser Tyr Thr Pro		
	260	265	270	
Ser Leu Phe Ser Phe Leu	Thr His Arg Phe Gly Arg	Gly Ile Pro Pro		
	275	280	285	
His Val His Thr Ile Leu	Gly Asn Leu Tyr Phe Leu	Val Pro Pro Met		
	290	295	300	
Leu Asn Pro Ile Ile Tyr	Gly Val Lys Thr Lys Glu	Phe Arg Asp Lys		
305	310	315	320	
Ile Thr Lys Tyr Leu Tyr	Arg Arg Lys Glu Pro	Ile Ile Phe Ser His		
	325	330	335	
Asn Gln Lys Leu Val				
	340			

<210> 2054

<211> 327

<212> PRT

<213> Mus musculus

<400> 2054

Met Glu Arg Arg Asn His Thr Gly Arg Val Ser Glu Phe Val Leu Leu	
1 5 10 15	
Gly Phe Pro Ala Pro Ala Pro Leu Arg Ala Leu Leu Phe Phe Leu Ser	
20 25 30	
Leu Leu Ala Tyr Val Leu Val Leu Thr Glu Asn Ile Leu Ile Ile Thr	
35 40 45	
Ala Ile Arg Asn His Pro Thr Leu His Lys Pro Met Tyr Phe Phe Leu	
50 55 60	
Ala Asn Met Ser Phe Leu Glu Ile Trp Tyr Val Thr Val Thr Ile Pro	
65 70 75 80	
Lys Met Leu Ala Gly Phe Ile Gly Ser Glu Glu Asn His Gly Gln Leu	
85 90 95	
Ile Ser Phe Glu Ala Cys Met Thr Gln Leu Tyr Phe Phe Leu Gly Leu	
100 105 110	
Gly Cys Thr Glu Cys Val Leu Leu Ala Val Met Ala Tyr Asp Arg Tyr	
115 120 125	
Val Ala Ile Cys His Pro Leu His Tyr Pro Val Ile Val Ser Ser Arg	
130 135 140	
Leu Cys Val Gln Met Ala Ala Gly Ser Trp Ala Gly Gly Phe Gly Ile	
145 150 155 160	
Ser Met Val Lys Val Phe Leu Ile Ser Arg Leu Ser Tyr Cys Gly Pro	
165 170 175	
Asn Thr Ile Asn His Phe Phe Cys Asp Val Ser Pro Leu Leu Asn Leu	
180 185 190	
Ser Cys Thr Asp Met Ser Thr Ala Glu Leu Thr Asp Phe Ile Leu Ala	
195 200 205	
Ile Phe Ile Leu Leu Gly Pro Leu Ser Val Thr Gly Ala Ser Tyr Met	
210 215 220	
Ala Ile Thr Gly Ala Val Met Arg Ile Pro Ser Ala Ala Gly Arg His	
225 230 235 240	
Lys Ala Phe Ser Thr Cys Ala Ser His Leu Thr Val Val Ile Ile Phe	
245 250 255	
Tyr Ala Ala Ser Ile Phe Ile Tyr Ala Arg Pro Lys Ala Leu Ser Ala	
260 265 270	

Phe	Asp	Thr	Asn	Lys	Leu	Val	Ser	Val	Leu	Tyr	Ala	Val	Ile	Val	Pro
		275					280					285			
Leu	Leu	Asn	Pro	Ile	Ile	Tyr	Cys	Leu	Arg	Asn	Gln	Glu	Val	Lys	Lys
	290					295					300				
Ala	Leu	Arg	Arg	Thr	Leu	His	Leu	Ala	Gln	Gly	Gln	Asp	Ala	Asn	Thr
305					310					315					320
Lys	Lys	Ser	Ser	Arg	Asp	Gly									
				325											

<210> 2055
 <211> 320
 <212> PRT
 <213> Mus musculus

<400> 2055

Met	Arg	Asn	His	Thr	Val	Met	Thr	Thr	Phe	Ile	Leu	Leu	Gly	Leu	Thr
1				5					10					15	
Asp	Asp	Pro	Gly	Leu	Gln	Leu	Leu	Phe	Phe	Val	Ile	Leu	Phe	Leu	Thr
			20					25					30		
Tyr	Ile	Leu	Ser	Ile	Met	Gly	Asn	Leu	Thr	Ile	Ile	Ile	Leu	Thr	Leu
	35					40						45			
Met	Asp	Ser	His	Leu	Asn	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Arg	Asn	Phe
	50					55					60				
Ser	Phe	Leu	Glu	Ile	Ser	Phe	Thr	Thr	Val	Cys	Ile	Pro	Arg	Phe	Leu
65					70					75					80
Tyr	Ser	Ile	Ser	Thr	Gly	Val	Asn	Thr	Ile	Thr	Tyr	Asn	Ala	Cys	Ala
				85					90					95	
Ser	Gln	Ile	Phe	Phe	Val	Gly	Leu	Phe	Gly	Ala	Thr	Glu	Phe	Phe	Leu
			100					105					110		
Leu	Ala	Ala	Met	Ser	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu
		115					120					125			
His	Tyr	Met	Thr	Ile	Met	Asp	Asn	Lys	Val	Cys	Ala	Ile	Leu	Val	Leu
	130					135					140				
Cys	Cys	Trp	Thr	Ser	Gly	Leu	Leu	Val	Ile	Ile	Ile	Pro	Leu	Gly	Met
145					150					155					160
Ile	Leu	Gln	Leu	Glu	Phe	Cys	Asp	Ser	Asn	Thr	Ile	Asp	His	Phe	Phe
				165					170					175	
Cys	Asp	Ala	Ser	Pro	Leu	Ile	Lys	Ile	Ser	Cys	Ser	Asp	Thr	Trp	Phe
			180					185					190		
Leu	Glu	Gln	Thr	Val	Ile	Val	Cys	Ala	Val	Leu	Thr	Phe	Ile	Ile	Thr
		195					200					205			
Leu	Ile	Val	Val	Ile	Leu	Ser	Tyr	Ile	Tyr	Ile	Ile	Arg	Thr	Ile	Leu
	210					215					220				
Arg	Phe	Pro	Ser	Ala	His	Gln	Arg	Lys	Lys	Ala	Phe	Ser	Thr	Cys	Ser
225					230					235					240
Ser	His	Met	Ile	Val	Val	Ser	Ile	Met	Tyr	Gly	Ser	Cys	Ile	Phe	Ile
				245						250				255	
Tyr	Val	Thr	Pro	Ser	Ala	Lys	Glu	Gln	Val	Asp	Ile	Asn	Lys	Gly	Val
			260					265					270		
Ser	Met	Leu	Asn	Thr	Ser	Val	Ala	Pro	Leu	Leu	Asn	Pro	Phe	Ile	Tyr
		275					280					285			
Thr	Leu	Arg	Asn	Lys	Gln	Val	Lys	Gln	Ala	Phe	Asn	Asp	Thr	Val	Lys
	290					295					300				
Lys	Leu	His	Thr	Ser	Tyr	Thr	Asn	Lys	Asn	Met	Leu	Asp	Leu	Ser	Ser
305					310					315					320

<210> 2056

<211> 323
 <212> PRT
 <213> Mus musculus

<400> 2056

Met	Thr	Pro	Arg	Asn	Met	Thr	Thr	Val	Ser	Gly	Phe	Leu	Leu	Met	Gly
1				5					10					15	
Phe	Ser	Asp	Asn	His	Glu	Leu	Gln	Ile	Leu	Gln	Ala	Leu	Leu	Phe	Leu
			20					25					30		
Val	Thr	Tyr	Leu	Leu	Asp	Ser	Ala	Gly	Asn	Phe	Ile	Ile	Ile	Thr	Ile
		35					40					45			
Thr	Thr	Ile	Asp	Lys	Gln	Leu	Gln	Ser	Pro	Met	Tyr	Tyr	Phe	Leu	Lys
		50				55					60				
His	Leu	Ser	Ile	Met	Asp	Phe	Ser	Ser	Leu	Ser	Val	Thr	Val	Pro	Gln
65					70					75					80
Tyr	Val	Asp	Ser	Ser	Leu	Ala	Arg	Ser	Gly	Tyr	Ile	Ser	Tyr	Gly	Gln
				85					90					95	
Cys	Met	Leu	Gln	Val	Phe	Phe	Phe	Thr	Gly	Leu	Ala	Trp	Ser	Glu	Val
			100					105					110		
Ala	Ile	Leu	Thr	Val	Met	Ser	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Leu
		115					120					125			
Pro	Leu	His	Tyr	Glu	Val	Ile	Met	Ser	Pro	Arg	Lys	Cys	Thr	Trp	Ala
		130				135					140				
Val	Ala	Ala	Val	Trp	Leu	Ser	Gly	Gly	Ile	Ser	Gly	Thr	Leu	Phe	Thr
145					150					155					160
Ala	Ser	Thr	Leu	Ser	Ile	Arg	Phe	Cys	Gly	His	Lys	Ile	Ile	His	Gln
				165					170					175	
Phe	Phe	Cys	Asp	Ile	Pro	Gln	Leu	Leu	Lys	Leu	Ser	Cys	Ser	Asn	Asp
			180					185					190		
Asp	Phe	Gly	Leu	Leu	Lys	Val	Ser	Thr	Phe	Ile	Ala	Val	Met	Gly	Phe
		195					200					205			
Ala	Cys	Phe	Val	Gly	Ile	Ala	Phe	Ser	Tyr	Cys	Gln	Ile	Phe	Ser	Thr
		210				215					220				
Val	Leu	Arg	Met	Pro	Ser	Ala	Glu	Gly	Arg	Ser	Lys	Val	Phe	Ser	Thr
225					230					235					240
Cys	Leu	Pro	His	Leu	Phe	Val	Val	Ser	Phe	Phe	Leu	Ser	Thr	Gly	Ile
				245					250					255	
Cys	Ala	Tyr	Leu	Lys	Pro	Thr	Ser	Asp	Ser	Pro	Thr	Ala	Leu	Asp	Leu
			260					265					270		
Met	Leu	Ser	Ile	Phe	Tyr	Thr	Val	Leu	Pro	Pro	Thr	Leu	Asn	Pro	Val
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Glu	Ser	Leu	Lys	Arg	Ala	Val	Lys	Lys	Leu
		290				295					300				
Leu	Leu	Ser	Glu	Glu	Phe	Ile	Gly	Lys	Asn	Tyr	Val	Cys	Ser	Val	Phe
305					310					315					320
Ser	Ala	Cys													

<210> 2057
 <211> 323
 <212> PRT
 <213> Mus musculus

<400> 2057

Met	Glu	Pro	Gln	Asn	Leu	Ser	Lys	Val	Thr	Glu	Phe	Gln	Leu	Leu	Gly
1				5					10					15	
Phe	Gln	Asn	Leu	Leu	Glu	Trp	Gln	Ser	Leu	Leu	Phe	Ala	Ile	Phe	Leu
			20					25					30		

Cys	Phe	Tyr	Leu	Leu	Thr	Ile	Thr	Gly	Asn	Met	Val	Ile	Ile	Gly	Val
	35						40					45			
Val	Ser	Glu	Asp	Pro	Arg	Leu	Arg	Ala	Pro	Met	Tyr	Thr	Phe	Leu	Gln
	50					55					60				
His	Leu	Ser	Phe	Leu	Glu	Ile	Trp	Tyr	Thr	Ser	Thr	Thr	Val	Pro	Leu
65					70					75					80
Leu	Leu	Ser	Asn	Leu	Ala	Ser	Trp	Gly	His	Met	Leu	Ser	Phe	Ser	Ala
			85						90					95	
Cys	Met	Ala	Gln	Leu	Tyr	Phe	Phe	Val	Phe	Phe	Gly	Ala	Thr	Glu	Cys
			100					105					110		
Phe	Leu	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Leu	Ala	Ile	Cys	His
	115						120					125			
Pro	Leu	His	Tyr	Ser	Leu	Leu	Met	Ser	Pro	Asp	Asn	Cys	Ala	Ala	Leu
	130					135					140				
Val	Thr	Val	Ser	Trp	Val	Thr	Gly	Val	Gly	Thr	Gly	Phe	Leu	Pro	Ser
145					150					155					160
Leu	Leu	Ile	Ser	Lys	Leu	Asp	Phe	Cys	Gly	Pro	Asn	Arg	Ile	Asn	His
				165					170					175	
Phe	Phe	Cys	Asp	Leu	Pro	Pro	Leu	Ile	Gln	Leu	Ser	Cys	Ser	Ser	Val
			180					185					190		
Tyr	Val	Thr	Glu	Met	Ala	Ile	Phe	Val	Leu	Ser	Ile	Ala	Val	Leu	Cys
	195						200					205			
Ile	Cys	Phe	Leu	Leu	Thr	Leu	Val	Ser	Tyr	Val	Phe	Ile	Val	Ser	Ser
	210					215					220				
Ile	Leu	Arg	Ile	Pro	Ser	Thr	Ser	Gly	Arg	Met	Lys	Thr	Phe	Ser	Thr
225					230					235					240
Cys	Gly	Ser	His	Leu	Ala	Val	Val	Thr	Ile	Tyr	Tyr	Gly	Thr	Met	Ile
				245					250					255	
Ser	Met	Tyr	Val	Arg	Pro	Asn	Ala	His	Leu	Ser	Pro	Glu	Leu	Asn	Lys
			260					265					270		
Val	Ile	Ser	Val	Phe	Tyr	Thr	Val	Val	Thr	Pro	Leu	Leu	Asn	Pro	Val
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Phe	Lys	Glu	Ala	Val	Arg	Lys	Ile
	290					295				300					
Val	Arg	Thr	Lys	Cys	Gly	Val	Tyr	Arg	Ala	Arg	Val	Lys	Gly	Ser	Ala
305					310					315					320
Leu	Thr	Thr													

<210> 2058

<211> 325

<212> PRT

<213> Mus musculus

<400> 2058

Met	Lys	Tyr	Phe	Cys	Leu	Pro	Arg	Phe	Ser	Ile	Ile	Ser	Met	Leu	Thr
1				5					10					15	
Gly	Asn	Gly	Ser	Phe	Val	Thr	Glu	Phe	Val	Leu	Ala	Gly	Leu	Thr	Asp
			20					25				30			
Arg	Pro	Glu	Leu	Gln	Leu	Pro	Leu	Phe	Tyr	Leu	Phe	Leu	Ile	Ile	Tyr
		35					40					45			
Thr	Val	Thr	Val	Val	Gly	Asn	Leu	Gly	Leu	Ile	Ile	Leu	Ile	Gly	Leu
	50					55					60				
Asn	Pro	His	Leu	Tyr	Thr	Pro	Met	Tyr	Tyr	Phe	Leu	Phe	Asn	Leu	Ser
65					70					75					80
Phe	Ile	Asp	Leu	Cys	Tyr	Ser	Ser	Val	Ser	Ser	Pro	Lys	Met	Leu	Met
				85					90					95	
Asn	Phe	Val	Phe	Glu	Lys	Asn	Ser	Ile	Ser	Tyr	Glu	Gly	Cys	Met	Thr

Gln	Leu	Phe	100	Phe	Phe	Leu	Phe	105	Val	Ile	Ser	Glu	Cys	110	Tyr	Met	Leu
		115						120					125				
Thr	Ser	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asn	Pro	Leu	Leu		
	130					135					140						
Tyr	Lys	Val	Thr	Met	Ser	Pro	Gln	Val	Cys	Ser	Met	Leu	Ser	Phe	Ala		
145					150					155					160		
Ser	Tyr	Gly	Met	Ala	Phe	Ala	Gly	Ala	Ser	Ala	His	Thr	Gly	Cys	Met		
			165					170						175			
Leu	Arg	Leu	Ile	Phe	Cys	Asn	Ala	Asn	Val	Ile	Asn	Phe	Tyr	Leu	Cys		
			180					185					190				
Asp	Ile	Leu	Pro	Leu	Leu	Gln	Leu	Ser	Cys	Thr	Ser	Thr	Tyr	Val	Asn		
	195						200					205					
Glu	Val	Val	Val	Leu	Ile	Val	Val	Gly	Ile	Asn	Ile	Thr	Val	Pro	Ser		
	210					215					220						
Phe	Thr	Ile	Leu	Ile	Ser	Tyr	Val	Phe	Ile	Leu	Ala	Asn	Ile	Leu	Asn		
225					230					235					240		
Ile	Lys	Ser	Thr	Gln	Gly	Arg	Ser	Lys	Ala	Phe	Ser	Thr	Cys	Ser	Ser		
				245					250					255			
His	Ile	Met	Ala	Ile	Ser	Leu	Phe	Phe	Gly	Ser	Gly	Ala	Phe	Met	Tyr		
			260					265					270				
Leu	Asn	His	Ser	Gly	Ser	Met	Asp	Gln	Gly	Lys	Ile	Ser	Ser	Val	Phe		
		275					280					285					
Tyr	Thr	Asn	Val	Val	Pro	Met	Phe	Asn	Pro	Leu	Ile	Tyr	Ser	Leu	Arg		
	290					295					300						
Asn	Lys	Asp	Val	Lys	Ile	Ala	Leu	Lys	Lys	Val	Met	Met	Arg	Val	His		
305					310					315					320		
Ser	Arg	Phe	Ile	Ser													
				325													

<210> 2059

<211> 327

<212> PRT

<213> Mus musculus

<400> 2059

Met	Asn	Ser	Glu	Asn	Phe	Thr	Arg	Ser	Arg	Val	Met	Pro	Ala	Glu	Phe
1				5					10					15	
Ile	Leu	Leu	Gly	Ile	Thr	Asn	Arg	Trp	Asp	Met	Arg	Val	Thr	Leu	Phe
			20					25					30		
Leu	Ile	Phe	Leu	Pro	Ile	Tyr	Leu	Val	Ser	Leu	Leu	Gly	Asn	Val	Gly
		35					40					45			
Met	Val	Leu	Leu	Ile	Arg	Ile	Asp	Ala	Arg	Leu	His	Thr	Pro	Met	Tyr
	50					55					60				
Phe	Phe	Leu	Ala	Asn	Leu	Ser	Leu	Leu	Asp	Ala	Phe	Tyr	Ser	Ser	Ala
65				70					75					80	
Ile	Gly	Pro	Lys	Met	Leu	Val	Asp	Leu	Leu	Ser	Arg	Ala	Thr	Ile	
				85				90					95		
Pro	Tyr	Val	Ala	Cys	Ala	Leu	Gln	Met	Phe	Val	Phe	Ala	Gly	Leu	Ala
			100					105					110		
Asp	Ala	Glu	Cys	Cys	Leu	Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val
	115						120					125			
Ala	Ile	Gly	Asn	Pro	Leu	Leu	Tyr	Thr	Thr	Val	Met	Ser	Pro	Arg	Leu
	130					135					140				
Cys	Leu	Ala	Leu	Leu	Gly	Ala	Ser	Gly	Leu	Gly	Gly	Ala	Val	Ser	Ala
145					150					155					160
Phe	Val	His	Thr	Thr	Phe	Thr	Phe	Arg	Leu	Ser	Phe	Cys	Gly	Ser	Leu
				165					170					175	

Glu	Val	Asn	Ser	Phe	Phe	Cys	Asp	Ile	Pro	Pro	Leu	Leu	Ala	Ile	Ser
			180					185					190		
Cys	Asn	Asp	Thr	Ser	Leu	Asn	Glu	Leu	Leu	Leu	Phe	Ala	Val	Cys	Gly
		195					200					205			
Phe	Ile	Gln	Thr	Thr	Thr	Val	Leu	Ala	Ile	Ala	Val	Ser	Tyr	Gly	Phe
	210						215				220				
Ile	Ala	Val	Ala	Val	Ile	Arg	Met	Gln	Ser	Ala	Glu	Gly	Arg	Arg	Arg
225					230					235					240
Ala	Ala	Ser	Thr	Cys	Gly	Ser	His	Leu	Thr	Ala	Val	Ser	Ile	Leu	Tyr
				245					250					255	
Gly	Thr	Leu	Ile	Phe	Met	Tyr	Leu	Arg	Pro	Ser	Ser	Ser	Tyr	Ala	Leu
			260					265					270		
Asp	Thr	Asp	Lys	Met	Ala	Ser	Val	Phe	Tyr	Thr	Leu	Val	Ile	Pro	Ala
		275					280					285			
Leu	Asn	Pro	Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Lys	Glu	Ala
	290					295					300				
Phe	Gln	Arg	Thr	Trp	His	Arg	Phe	Cys	Cys	Pro	Gly	Arg	Ser	Thr	Arg
305					310					315					320
Asp	Trp	Pro	Gln	Glu	Ala	His									
				325											

<210> 2060

<211> 318

<212> PRT

<213> Mus musculus

<400> 2060

Met	Gly	Gln	Ser	Asn	Asn	Val	Thr	Glu	Phe	Val	Leu	Leu	Gly	Phe	Thr
1				5					10					15	
Gln	Asp	Pro	Ala	Gly	Gln	Lys	Ala	Leu	Phe	Val	Met	Phe	Ser	Leu	Met
			20					25					30		
Tyr	Ile	Ala	Thr	Met	Val	Gly	Asn	Leu	Leu	Ile	Val	Gly	Thr	Val	Ile
		35					40					45			
Ala	Ser	Pro	Ser	Leu	Gly	Ser	Pro	Met	Tyr	Phe	Phe	Leu	Ala	Ser	Leu
	50					55					60				
Ser	Leu	Met	Asp	Ala	Val	Tyr	Ser	Thr	Ala	Ile	Ser	Pro	Lys	Leu	Ile
65				70					75					80	
Val	Asp	Leu	Leu	Arg	Glu	Lys	Lys	Thr	Ile	Ser	Phe	Arg	Ala	Cys	Ile
				85					90					95	
Ser	Gln	Leu	Phe	Ile	Glu	His	Leu	Phe	Gly	Gly	Val	Asp	Ile	Val	Ile
			100					105					110		
Leu	Val	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu
		115					120					125			
His	Tyr	Leu	Ile	Ile	Met	Asn	Arg	Arg	Val	Cys	Ile	Leu	Phe	Leu	Val
	130				135						140				
Met	Ala	Trp	Val	Gly	Gly	Phe	Val	His	Ser	Leu	Phe	Gln	Val	Leu	Ala
145					150					155					160
Val	Tyr	Asn	Leu	Pro	Phe	Cys	Gly	Pro	Asn	Ile	Ile	Asp	His	Phe	Gly
				165					170					175	
Cys	Asp	Ile	Tyr	Pro	Leu	Leu	Leu	Leu	Ala	Cys	Thr	Asp	Thr	Tyr	Phe
			180					185					190		
Leu	Gly	Leu	Thr	Ile	Ile	Ala	Asn	Gly	Gly	Ala	Met	Cys	Ile	Val	Ile
		195					200					205			
Phe	Ile	Leu	Leu	Leu	Leu	Ser	Tyr	Ala	Ile	Ile	Leu	Arg	Ser	Leu	Gln
	210						215					220			
Asn	His	Ser	Lys	Glu	Gly	Arg	Arg	Lys	Ala	Leu	Ser	Thr	Cys	Ile	Ser
225					230					235					240
His	Ile	Thr	Val	Val	Phe	Leu	Phe	Phe	Val	Pro	Cys	Ile	Phe	Met	Tyr

<210> 2062
 <211> 325
 <212> PRT
 <213> Mus musculus

<400> 2062
 Met Tyr Val Ala Asn Ser Ser Arg Met Asn Ala Phe Ile Leu Leu Gly
 1 5 10 15
 Leu Thr Asp Asn Pro Asp Leu Glu Ala Pro Leu Phe Ile Ile Phe Asn
 20 25 30
 Leu Ile Tyr Leu Ile Thr Leu Ile Gly Asn Leu Gly Met Ile Val Leu
 35 40 45
 Ile Trp Phe Asp Ser His Leu His Thr Pro Met Tyr Ile Phe Leu Ser
 50 55 60
 His Leu Ser Leu Ala Asp Cys Val Tyr Ser Ser Ala Val Thr Pro Lys
 65 70 75 80
 Val Met Val Gly Leu Leu Thr Gly Asp Lys Val Ile Ser Tyr Gly Gly
 85 90 95
 Cys Val Ala Gln Met Phe Phe Phe Val Thr Phe Ala Ser Val Asp Cys
 100 105 110
 Phe Leu Leu Ala Val Met Ala Phe Asp Arg His Ala Ala Val Cys Lys
 115 120 125
 Pro Leu His Tyr Thr Thr Asn Met Thr Thr Ser Val Cys Ala Cys Met
 130 135 140
 Val Ile Ala Cys Tyr Val Phe Ser Leu Ala Glu Ser Ser Val Tyr Thr
 145 150 155 160
 Gly Phe Ile Phe Asp Leu Ser Phe Cys His Ser Asn Val Ile His His
 165 170 175
 Phe Phe Cys Asp Ile Pro Pro Ile Leu Asn Leu Ser Cys Ser Asp Ile
 180 185 190
 Tyr Thr Asn Glu Ile Val Leu Phe Ile Ile Thr Ser Phe Asn Val Phe
 195 200 205
 Phe Ser Leu Ile Val Ile Leu Thr Ser Tyr Ala Phe Ile Phe Ile Ala
 210 215 220
 Ile Leu Arg Met His Ser Ala Glu Gly Arg Lys Lys Ala Ser Ser Thr
 225 230 235 240
 Cys Ala Ser His Leu Thr Ala Val Thr Ile Phe Tyr Gly Thr Ile Ile
 245 250 255
 Phe Met Tyr Leu Gln Pro Ser Ser Ser His Ser Met Asp Asn Asp Gln
 260 265 270
 Met Ala Ser Val Phe Tyr Thr Thr Val Val Pro Met Leu Asn Pro Val
 275 280 285
 Val Tyr Ser Leu Arg Asn Lys Glu Val His Ser Ala Phe Lys Lys Ala
 290 295 300
 Ile Glu Lys Leu Lys Ser Ala Gln His Gln Val Leu Ile Arg Asp Leu
 305 310 315 320
 Tyr Ser Leu Cys Asn
 325

<210> 2063
 <211> 321
 <212> PRT
 <213> Mus musculus

<400> 2063
 Met Glu Glu Asn Gln Thr Thr Val Thr Glu Phe Ile Leu Leu Gly Phe

1	5	10	15
Cys Leu Gly	Pro Arg Ile His Leu Val	Leu Phe Leu Leu	Phe Ser Leu
	20	25	30
Phe Tyr Thr	Leu Thr Ile Leu Gly	Asn Gly Thr Ile	Leu Ala Met Ile
	35	40	45
Cys Leu Asp	Ser Arg Leu His Thr	Pro Met Tyr Phe	Phe Leu Ser His
	50	55	60
Leu Ala Ile	Val Asp Met Ala Tyr	Ala Cys Asn Thr	Val Pro Gln Thr
65	70	75	80
Leu Ile Asn	Leu Leu Asp Glu Thr	Arg Pro Ile Thr	Phe Ala Gly Cys
	85	90	95
Met Thr Gln	Thr Tyr Leu Phe Leu Thr	Phe Ala Ile Thr	Glu Cys Leu
	100	105	110
Leu Leu Val	Val Met Ser Tyr Asp	Arg Tyr Val Ala	Ile Cys His Pro
	115	120	125
Leu His Tyr	Thr Val Ile Met Asn	Trp Arg Val Cys	Thr Ile Met Ala
	130	135	140
Ala Val Ser	Trp Ile Val Ser Phe	Leu Leu Ser Leu	Val His Leu Leu
145	150	155	160
Leu Ile Leu	Arg Leu Pro Phe Cys	Gly Pro His Glu	Ile Asn His Phe
	165	170	175
Phe Cys Glu	Ile Leu Ser Val Leu	Lys Leu Ala Cys	Ala Asp Thr Thr
	180	185	190
Leu Asn Gln	Val Val Ile Phe Ala	Ala Cys Val Phe	Thr Leu Val Gly
	195	200	205
Pro Leu Cys	Phe Val Leu Val Ser	Tyr Thr Arg Ile	Leu Val Ala Ile
	210	215	220
Leu Arg Ile	Gln Ser Gly Glu Arg	Arg Arg Lys Ala	Phe Ser Thr Cys
225	230	235	240
Ser Ser His	Leu Cys Val Val Gly	Leu Phe Phe Gly	Ser Ala Ile Val
	245	250	255
Met Tyr Met	Ala Pro Lys Ser Gln	His Pro Glu Glu	Gln Gln Lys Ile
	260	265	270
Leu Phe Leu	Phe Tyr Ser Phe Phe	Asn Pro Met Leu	Asn Pro Leu Ile
	275	280	285
Tyr Ser Leu	Arg Asn Ala Glu Val	Lys Gly Ala Leu	Arg Arg Ala Leu
	290	295	300
Cys Lys Glu	Ser His Ser Cys Leu	Val Trp Cys Ser	His His Lys Pro
305	310	315	320
Trp			

<210> 2064
 <211> 321
 <212> PRT
 <213> Mus musculus

<400> 2064
Met Glu Glu Asn Gln Thr Met Val Thr Glu Phe Val Leu Leu Gly Phe
1 5 10 15
Cys Leu Gly Pro Arg Ile His Leu Val Leu Phe Leu Leu Phe Ser Leu
Phe Tyr Thr Leu Thr Ile Leu Gly Asn Gly Thr Ile Leu Ala Met Ile
Cys Leu Asp Ser Arg Leu His Thr Pro Met Tyr Phe Phe Leu Ser His
Leu Ala Ile Val Asp Met Ala Tyr Ala Cys Asn Thr Val Pro Gln Thr
65 70 75 80

Leu	Ile	Asn	Leu	Leu	Asp	Glu	Thr	Arg	Pro	Ile	Thr	Phe	Ala	Gly	Cys	
				85					90					95		
Met	Thr	Gln	Thr	Phe	Leu	Phe	Leu	Ala	Phe	Ala	His	Thr	Glu	Cys	Val	
			100					105					110			
Leu	Leu	Val	Val	Met	Ser	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	His	Pro	
		115					120					125				
Leu	His	Tyr	Thr	Val	Ile	Met	Asn	Trp	Arg	Val	Cys	Thr	Ile	Leu	Ala	
	130					135					140					
Ala	Val	Ser	Trp	Ile	Phe	Ser	Phe	Leu	Leu	Ala	Leu	Val	His	Leu	Val	
145					150					155					160	
Leu	Ile	Leu	Arg	Leu	Pro	Phe	Cys	Gly	Pro	His	Glu	Ile	Asn	His	Phe	
			165						170					175		
Phe	Cys	Glu	Ile	Leu	Ser	Val	Leu	Lys	Leu	Ala	Cys	Ala	Asp	Thr	Thr	
			180					185					190			
Leu	Asn	Gln	Val	Val	Ile	Phe	Ala	Ala	Cys	Val	Phe	Ile	Leu	Val	Ala	
	195						200					205				
Pro	Leu	Cys	Phe	Val	Leu	Val	Ser	Tyr	Thr	Arg	Ile	Leu	Val	Ala	Ile	
	210					215					220					
Leu	Arg	Ile	Gln	Ser	Gly	Glu	Gly	Arg	Arg	Lys	Ala	Phe	Ser	Thr	Cys	
225					230					235					240	
Ser	Ser	His	Leu	Cys	Val	Val	Gly	Leu	Phe	Phe	Gly	Ser	Ala	Ile	Val	
			245						250					255		
Met	Tyr	Met	Ala	Pro	Lys	Ser	Gln	His	Pro	Glu	Glu	Gln	Gln	Lys	Val	
		260					265						270			
Leu	Phe	Leu	Phe	Tyr	Ser	Phe	Phe	Asn	Pro	Met	Leu	Asn	Pro	Leu	Ile	
	275					280					285					
Tyr	Ser	Leu	Arg	Asn	Ala	Glu	Val	Lys	Gly	Ala	Leu	Lys	Arg	Ser	Leu	
	290					295				300						
Cys	Lys	Glu	Ser	His	Ser	Trp	Leu	Val	Trp	Cys	Ser	Asp	His	Lys	Ser	
305					310					315					320	
Trp																

<210> 2065
 <211> 322
 <212> PRT
 <213> Mus musculus

<400> 2065

Met	Ala	Thr	Lys	Asn	Arg	Thr	Glu	Val	Thr	Glu	Phe	Val	Leu	Leu	Gly	
1				5					10					15		
Leu	Ser	Ser	Gln	Pro	Glu	Met	Gln	Pro	Val	Ile	Phe	Gly	Val	Val	Leu	
			20					25					30			
Ile	Met	Tyr	Leu	Met	Ala	Val	Leu	Gly	Asn	Thr	Leu	Leu	Val	Leu	Val	
	35						40				45					
Ala	Cys	Ser	Asp	Pro	Lys	Leu	His	Thr	Pro	Met	Tyr	Phe	Leu	Leu	Ser	
	50					55				60						
Gln	Leu	Ser	Leu	Ile	Asp	Ile	Ser	Leu	Thr	Thr	Ile	Ile	Val	Pro	Gln	
65					70					75					80	
Met	Leu	Val	His	Thr	Leu	Ser	Val	Asn	Arg	Thr	Ile	Ser	Tyr	Asn	Cys	
			85						90					95		
Cys	Met	Thr	Gln	Leu	Phe	Ser	Phe	Met	Thr	Val	Gly	Ser	Met	Glu	Val	
			100					105					110			
His	Leu	Leu	Gly	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asp	
	115						120					125				
Pro	Leu	Arg	Tyr	Ser	Ser	Ile	Val	Ser	His	Ser	Leu	Cys	Leu	Arg	Ile	
	130					135					140					
Thr	Leu	Thr	Ser	Trp	Val	Val	Val	Ser	Leu	Asn	Ser	Leu	Leu	Tyr	Ser	

145					150					155					160
Val	Leu	Val	Thr	Arg	Leu	Thr	Phe	Cys	Gly	Asn	Lys	Val	Thr	His	Phe
				165					170					175	
Phe	Cys	Asp	Ile	Thr	Pro	Leu	Leu	Lys	Leu	Ser	Cys	Thr	Arg	Pro	Val
			180					185					190		
Val	Asn	Glu	Met	Leu	Ile	Phe	Thr	Glu	Gly	Val	Ala	Val	Val	Val	Ser
		195					200					205			
Pro	Ile	Phe	Phe	Ile	Phe	Gly	Ser	Tyr	Val	Arg	Ile	Gly	Ile	Val	Ile
	210					215					220				
Ala	His	Met	His	Ser	Val	Ala	Ala	Leu	Gln	Lys	Ala	Leu	Ser	Thr	Cys
225					230					235					240
Ser	Ser	His	Val	Leu	Val	Val	Met	Phe	Leu	Phe	Gly	Ser	Leu	Val	His
			245					250						255	
Met	Tyr	Leu	Lys	Pro	Ser	Ser	Ser	Tyr	Asn	Leu	Glu	Gln	Asp	Arg	Gln
		260						265					270		
Val	Ala	Ile	Phe	Tyr	Thr	Leu	Ile	Ser	Pro	Met	Leu	Asn	Pro	Leu	Ile
		275					280					285			
Tyr	Ser	Leu	Arg	Asn	Gln	Glu	Val	Lys	Gly	Ala	Leu	Trp	Arg	Leu	Phe
	290				295					300					
Arg	Lys	Leu	Tyr	Leu	Arg	Gln	Cys	Pro	Ala	Trp	Ile	Ser	His	Asn	Thr
305					310					315					320
Cys	Gln														

<210> 2066
 <211> 326
 <212> PRT
 <213> Mus musculus

<400> 2066

Met	Pro	Leu	Leu	Phe	Ser	Arg	Ala	Ala	Cys	Ala	Met	Ser	Met	Arg	
1			5					10					15		
Asn	His	Thr	Ser	Val	Thr	Glu	Phe	Ile	Leu	Leu	Gly	Ile	Ser	Asn	Thr
			20				25					30			
Glu	Gly	Leu	Glu	Ser	Met	Leu	Phe	Ala	Leu	Phe	Leu	Val	Phe	Tyr	Val
	35					40					45				
Phe	Ala	Leu	Leu	Gly	Asn	Leu	Ile	Phe	Leu	Thr	Ile	Leu	Ala	Ser	
	50				55				60						
Pro	Asn	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Gly	Asn	Leu	Ala	Val
65				70					75					80	
Phe	Asp	Ile	Phe	Phe	Pro	Ser	Val	Asn	Ser	Pro	Lys	Met	Met	Asp	Tyr
			85					90					95		
Leu	Val	Arg	Gln	Gly	Arg	Thr	Ile	Ser	Tyr	Gln	Gly	Cys	Ala	Ser	Gln
			100				105					110			
Ile	Phe	Phe	Tyr	His	Thr	Leu	Gly	Cys	Thr	Glu	Cys	Phe	Leu	Tyr	Thr
	115					120					125				
Val	Met	Ala	Tyr	Asp	Arg	Phe	Val	Ala	Ile	Cys	Tyr	Pro	Met	Arg	Tyr
	130				135					140					
Thr	Val	Ile	Met	Asn	Pro	Arg	Val	Cys	Thr	Cys	Phe	Thr	Val	Gly	Thr
145				150					155					160	
Trp	Leu	Gly	Gly	Phe	Val	His	Gly	Ser	Ile	Leu	Thr	Phe	Leu	Ile	Phe
			165					170					175		
Lys	Leu	Pro	Tyr	Cys	Gly	Pro	Asn	Glu	Val	Asp	Ser	Phe	Phe	Cys	Asp
		180					185					190			
Ile	Pro	Val	Val	Leu	Ser	Leu	Ala	Cys	Ala	Asp	Thr	Ser	Leu	Ala	Gln
	195					200						205			
Thr	Val	Ser	Phe	Thr	Asn	Val	Gly	Val	Val	Ala	Leu	Thr	Cys	Phe	Leu
	210				215						220				

Leu	Val	Leu	Thr	Ser	Tyr	Thr	Arg	Ile	Val	Ile	Ser	Ile	Leu	Lys	Ile
225					230					235					240
Arg	Ser	Ser	Glu	Gly	Arg	Arg	Arg	Ala	Phe	Ser	Thr	Cys	Ser	Ala	His
				245					250					255	
Phe	Thr	Ser	Ile	Leu	Leu	Phe	Tyr	Gly	Pro	Val	Ile	Leu	Val	Tyr	Leu
			260					265					270		
Arg	Pro	Ala	Ser	Ser	Pro	Trp	Leu	Asp	Ser	Val	Val	Gln	Val	Phe	Asn
		275					280					285			
Asn	Val	Val	Thr	Pro	Ser	Leu	Asn	Pro	Leu	Ile	Tyr	Ser	Leu	Arg	Asn
	290					295					300				
Lys	Glu	Val	Lys	Leu	Ala	Leu	Arg	Lys	Met	Leu	Ser	Gln	Ala	Met	Gln
305					310					315					320
Pro	Leu	Gly	Tyr	Lys	Glu										
				325											

<210> 2067

<211> 322

<212> PRT

<213> Mus musculus

<400> 2067

Met	Glu	Lys	Ile	Thr	Ser	Ala	Val	Asp	Val	His	Asn	Ile	Pro	Leu	Lys
1				5					10					15	
Asn	Met	Thr	Glu	Ala	Thr	Met	Phe	Ile	Leu	Leu	Gly	Phe	Thr	Asp	Asp
			20					25					30		
Phe	Glu	Leu	Gln	Val	Phe	Leu	Phe	Leu	Leu	Phe	Leu	Ala	Ile	Tyr	Leu
	35					40					45				
Phe	Thr	Leu	Val	Gly	Asn	Phe	Gly	Leu	Val	Val	Leu	Val	Ile	Gly	Asp
	50				55					60					
Cys	Arg	Leu	His	Asn	Pro	Met	Tyr	Tyr	Phe	Leu	Ser	Val	Leu	Ser	Phe
65				70					75						80
Leu	Asp	Ala	Cys	Tyr	Ser	Thr	Val	Val	Thr	Pro	Lys	Met	Leu	Val	Asn
			85					90					95		
Phe	Leu	Ser	Glu	Asn	Lys	Ser	Ile	Ser	Phe	Leu	Ala	Cys	Ala	Thr	Gln
			100					105					110		
Met	Leu	Leu	Phe	Val	Ser	Leu	Gly	Thr	Thr	Glu	Cys	Phe	Leu	Leu	Ala
	115					120						125			
Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Tyr	Asn	Pro	Leu	Leu	Tyr
	130				135						140				
Thr	Val	Ala	Met	Ser	Pro	Arg	Val	Tyr	Leu	Pro	Leu	Ile	Ile	Ala	Ser
145				150						155					160
Tyr	Ala	Gly	Gly	Val	Val	His	Gly	Ala	Ile	His	Thr	Val	Ala	Thr	Phe
			165					170						175	
Ser	Leu	Ser	Phe	Cys	Gly	Ser	Asn	Glu	Ile	Lys	His	Val	Phe	Cys	Asp
		180					185						190		
Ile	Pro	Ala	Leu	Leu	Ala	Leu	Ser	Cys	Ser	Asp	Thr	His	Thr	Asn	Glu
	195					200						205			
Leu	Leu	Val	Leu	Tyr	Leu	Val	Gly	Leu	Ile	Glu	Ile	Val	Thr	Ile	Leu
	210				215					220					
Ile	Val	Leu	Val	Ser	Tyr	Gly	Phe	Ile	Leu	Phe	Ala	Ile	Leu	Asn	Met
225				230						235					240
His	Ser	Ala	Glu	Gly	Arg	Arg	Lys	Val	Phe	Ser	Thr	Cys	Gly	Ser	His
			245						250					255	
Leu	Thr	Gly	Val	Ser	Ile	Tyr	His	Gly	Thr	Ile	Leu	Phe	Thr	Tyr	Met
		260					265						270		
Arg	Pro	Ser	Ser	Ser	Tyr	Ala	Ser	Asn	His	Asp	Met	Val	Val	Ser	Ile
	275					280						285			
Phe	Tyr	Thr	Ile	Val	Ile	Pro	Met	Leu	Asn	Pro	Ile	Ile	Tyr	Ser	Leu

290	295	300
Arg Asn Lys Asp Val Lys Val Ala Phe Asn Lys Leu Trp Arg Lys Cys		
305	310	315
Asp Ser		

<210> 2068
 <211> 330
 <212> PRT
 <213> Mus musculus

<400> 2068

Met Ser Ile His Ser Pro Gly Tyr Thr Val Arg Arg Ile Pro Val Asn	
1 5 10 15	
Asn Val Thr Asp Thr Thr Met Phe Ile Leu Thr Gly Phe Thr Asp Asp	
20 25 30	
Ala Asp Leu Gln Val Leu Leu Phe Leu Leu Phe Phe Val Ile Tyr Leu	
35 40 45	
Phe Thr Leu Ile Gly Asn Leu Gly Leu Val Leu Leu Val Ile Gly Asp	
50 55 60	
Ser Arg Leu His Asn Pro Met Tyr Tyr Phe Leu Ser Val Leu Ser Phe	
65 70 75 80	
Leu Asp Ala Cys Tyr Ser Thr Val Val Thr Pro Lys Met Leu Val Asn	
85 90 95	
Phe Ile Ser Asn Asp Lys Ser Ile Ser Tyr Pro Gly Cys Val Thr Glu	
100 105 110	
Met Phe Leu Phe Val Thr Phe Gly Thr Thr Glu Cys Phe Leu Leu Ala	
115 120 125	
Ala Met Ala Tyr Asp Arg Phe Val Ala Ile Tyr Asn Pro Leu Leu Tyr	
130 135 140	
Ala Val Lys Met Ser Pro Arg Val Tyr Ile Pro Leu Ile Ile Ala Cys	
145 150 155 160	
Tyr Ser Gly Gly Ile Met His Ala Thr Ile His Thr Val Ala Thr Phe	
165 170 175	
Ser Leu Ser Phe Cys Ala Ser Asn Glu Ile Arg His Val Phe Cys Asp	
180 185 190	
Ile Pro Pro Leu Leu Ala Ile Ser Cys Ser Asn Thr Asn Ile Asn Gln	
195 200 205	
Leu Leu Leu Phe Tyr Cys Val Gly Ser Ile Glu Ile Ile Thr Ile Leu	
210 215 220	
Ile Val Leu Val Ser Tyr Ser Phe Ile Leu Phe Ala Ile Leu Lys Met	
225 230 235 240	
Asn Ser Ala Glu Gly Arg Arg Lys Ile Phe Ser Thr Cys Gly Ser His	
245 250 255	
Leu Thr Gly Val Ser Ile Tyr His Gly Thr Ile Leu Phe Met Tyr Val	
260 265 270	
Arg Pro Ser Ser Asn Tyr Ala Leu Glu His Asp Met Ile Val Ser Thr	
275 280 285	
Phe Tyr Thr Ile Val Ile Pro Met Leu Asn Pro Ile Ile Tyr Ser Leu	
290 295 300	
Arg Asn Lys Asp Val Lys Glu Ala Met Lys Lys Ile Phe Glu Arg Asn	
305 310 315 320	
Phe Phe Met Asn Lys Val His Phe Lys Leu	
325 330	

<210> 2069
 <211> 330

<212> PRT

<213> Mus musculus

<400> 2069

```
Met Ala Phe Leu Glu Asp Gly Asn His Thr Ile Val Thr Glu Phe Ile
 1      5      10      15
Leu Leu Gly Leu Thr Asp Asp Pro Val Leu Arg Asp Ile Leu Phe Thr
 20      25      30
Ile Ile Leu Cys Ile Tyr Leu Val Thr Val Ser Gly Asn Leu Ser Thr
 35      40      45
Ile Leu Leu Ile Arg Val Ser Ser Gln Leu His His Pro Met Tyr Phe
 50      55      60
Phe Leu Ser His Leu Ala Ser Val Asp Ile Gly Ile Ser Ser Ser Val
 65      70      75      80
Thr Pro Asn Met Leu Ala Asn Phe Leu Val Lys Pro Asn Thr Ile Ser
 85      90      95
Tyr Ile Gly Cys Ser Ile Gln Phe Thr Ser Ala Val Phe Leu Ala Thr
 100     105     110
Val Glu Cys Phe Leu Leu Ala Ala Met Ala Tyr Asp Arg Phe Val Ala
 115     120     125
Ile Cys Asn Pro Leu Leu Tyr Ser Thr Lys Met Ser Arg Glu Ala Cys
 130     135     140
Ile Gln Leu Val Val Gly Ser Tyr Ile Gln Gly Leu Leu Asn Ala Ser
 145     150     155     160
Phe Phe Thr Leu Ser Phe Phe Ser Leu Ile Phe Cys Gly Pro Asn Arg
 165     170     175     180
Ile Asn His Phe Tyr Cys Asp Leu Ala Pro Leu Val Glu Leu Ser Cys
 180     185     190
Ser Asp Val Thr Leu Ala Val Val Ile Thr Ser Ile Ser Ala Gly Phe
 195     200     205
Ile Thr Leu Thr Thr Val Phe Val Ile Ala Ile Ser Tyr Ser Cys Ile
 210     215     220
Phe Ile Thr Ile Met Lys Met His Ser Thr Glu Ser Arg Tyr Lys Ala
 225     230     235     240
Phe Ser Thr Cys Thr Ser His Leu Thr Ala Val Thr Leu Phe Tyr Gly
 245     250     255
Thr Thr Met Phe Ile Tyr Val Met Pro Lys Ser Ser Tyr Ser Thr Asp
 260     265     270
Gln Asn Lys Val Leu Ser Val Phe Tyr Met Val Val Ile Pro Met Leu
 275     280     285
Asn Pro Leu Ile Tyr Ser Leu Arg Asn Asn Glu Ile Lys Gly Ala Leu
 290     295     300
Lys Arg Tyr Leu Gly Lys Lys Ile Phe Ser Tyr Gly Asn Leu Phe Cys
 305     310     315     320
Lys Thr His Tyr Asn Asp Thr His Gln Val
 325     330
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<210> 2070

<211> 326

<212> PRT

<213> Mus musculus

<400> 2070

```
Met Glu Arg Leu Asn His Ser Arg Val Pro Glu Phe Val Leu Leu Gly
 1      5      10      15
Leu Thr Asp Ser Pro Glu Leu Gln Ile Phe Phe Phe Val Ala Phe Ser
 20      25      30
Ile Phe Tyr Leu Met Thr Met Leu Gly Asn Cys Leu Ile Leu Phe Thr
```


Ile	Ala	Met	Ala	Phe	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu	His
	115						120					125			
Tyr	Leu	Thr	Ile	Met	Ser	Pro	Arg	Val	Cys	Ile	Leu	Phe	Ser	Val	Ala
	130					135					140				
Ser	Trp	Val	Val	Gly	Phe	Met	His	Ser	Leu	Val	Gln	Leu	Ala	Phe	Val
145					150					155					160
Val	Asn	Leu	Pro	Phe	Cys	Gly	Pro	Asn	Val	Leu	Asp	Ser	Phe	Tyr	Cys
				165					170					175	
Asp	Phe	Pro	Arg	Phe	Ile	Lys	Leu	Ala	Cys	Thr	Asp	Thr	Tyr	Lys	Leu
			180					185					190		
Glu	Leu	Leu	Val	Ser	Ile	Asn	Ser	Gly	Phe	Met	Ser	Val	Gly	Ser	Phe
	195						200					205			
Phe	Ile	Leu	Ile	Ile	Ser	Tyr	Ile	Val	Ile	Ile	Phe	Thr	Val	Gln	Lys
	210					215					220				
His	Ser	Ser	Ser	Gly	Ser	Ser	Lys	Ala	Leu	Ser	Thr	Leu	Ser	Ala	His
225					230					235					240
Val	Thr	Val	Val	Val	Leu	Phe	Phe	Gly	Pro	Val	Met	Phe	Phe	Tyr	Thr
				245					250					255	
Trp	Pro	Ser	Ser	Tyr	Thr	His	Leu	Asp	Lys	Phe	Leu	Ala	Ile	Phe	Asp
			260					265					270		
Ala	Ile	Val	Thr	Pro	Phe	Leu	Asn	Pro	Val	Ile	Tyr	Thr	Leu	Arg	Asn
	275						280					285			
Gln	Glu	Met	Lys	Ile	Ala	Met	Met	Arg	Val	Phe	Ser	Lys	Leu	Met	Gly
	290					295					300				
Cys	Arg	Gln	Ile	Phe	Lys	His	Leu	Asn	Phe	Glu	Gln	Thr			
305					310					315					

<210> 2072

<211> 302

<212> PRT

<213> Mus musculus

<400> 2072

Met	Asp	His	Leu	Pro	Val	Phe	Ile	Leu	Thr	Gly	Ile	Pro	Gly	Met	Pro
1				5					10					15	
Asp	Lys	Ser	Leu	Trp	Met	Val	Phe	Pro	Leu	Gly	Phe	Leu	Tyr	Thr	Leu
			20					25					30		
Thr	Leu	Leu	Gly	Asn	Gly	Thr	Ile	Leu	Ala	Val	Val	Glu	Val	Glu	Gln
		35					40					45			
Ser	Leu	His	Glu	Pro	Met	Tyr	Tyr	Phe	Leu	Cys	Met	Leu	Ala	Leu	Ile
	50					55				60					
Asp	Ile	Ser	Leu	Ser	Met	Ser	Thr	Leu	Pro	Ser	Met	Pro	Pro	Glu	Ile
65					70					75				80	
Pro	Phe	Glu	Ala	Cys	Val	Ala	Gln	Met	Phe	Phe	Ile	His	Val	Phe	Gly
			85					90						95	
Leu	Val	Asp	Ser	Gly	Val	Leu	Leu	Ser	Ile	Ile	Ala	Phe	Asp	Arg	Phe
			100					105					110		
Val	Ala	Ile	Gln	Asn	Pro	Leu	His	Tyr	Ala	Phe	Ile	Leu	Thr	His	Gly
	115						120					125			
Val	Ile	Gly	Lys	Ile	Gly	Leu	Val	Val	Leu	Asp	Arg	Ala	Val	Cys	Val
	130					135					140				
Val	Phe	Pro	Val	Pro	Phe	Leu	Ile	Lys	Arg	Leu	Arg	Phe	Cys	His	Pro
145					150					155					160
Asn	Ile	Leu	Ser	His	Ser	Tyr	Cys	Leu	His	Gln	Asp	Met	Met	Arg	Leu
			165					170						175	
Ala	Cys	Ala	Ser	Thr	Arg	Val	Asn	Ser	Leu	Tyr	Gly	Leu	Ile	Ile	Val
			180					185					190		
Ile	Leu	Ile	Leu	Gly	Leu	Asp	Ala	Leu	Ile	Ile	Leu	Phe	Ser	Tyr	Ile

195	200	205
Leu Ile Leu Lys Thr Val	Leu Gly Ile Ser Ser Arg	Ala Glu Arg Leu
210	215	220
Lys Ala Leu Asn Thr Cys	Leu Ser His Ile Cys Thr	Val Leu Leu Phe
225	230	235
Tyr Ile Pro Phe Ile Gly	Ala Thr Met Ile His Arg	Phe Gly Lys His
245	250	255
Leu Ser Pro Ile Val His Met	Pro Met Ala Asn Ile Tyr	Leu Leu Leu
260	265	270
Pro Thr Leu Leu Asn Pro Ile	Val Tyr Ser Val Lys Asn	Lys Gln Ile
275	280	285
Arg Gly Val Met Lys Met	Phe Gln Gly Arg Lys Ser	Arg Ala
290	295	300

<210> 2073
 <211> 314
 <212> PRT
 <213> Mus musculus

<400> 2073

Met Gly Thr Val Asn His Thr Asp Ile Ser His Thr Val Phe His Leu	1	5	10	15
Leu Gly Ile Pro Gly Leu Glu Asp Gln His Met Trp Ile Ser Ile Pro	20	25	30	
Phe Phe Ile Ser Tyr Ile Thr Ala Leu Leu Gly Asn Ser Leu Leu Ile	35	40	45	
Phe Ile Ile Leu Thr Arg Pro Ser Leu His Glu Pro Met Tyr Leu Phe	50	55	60	
Leu Cys Met Leu Ala Gly Ala Asp Ile Val Leu Ser Thr Ser Thr Val	65	70	75	80
Pro Gln Ala Leu Ser Ile Phe Trp Phe His Ala Gly Glu Ile Ser Leu	85	90	95	
Asp Arg Cys Ile Thr Gln Leu Phe Phe Ile His Ser Thr Phe Ile Ser	100	105	110	
Glu Ser Gly Ile Leu Leu Val Met Ala Phe Asp Arg Tyr Ile Ala Ile	115	120	125	
Cys Tyr Pro Leu Arg Tyr Ile Thr Val Leu Thr Lys Ser Leu Ile Gly	130	135	140	
Lys Ile Gly Val Gly Ile Phe Leu Arg Ser Tyr Gly Thr Ile Phe Pro	145	150	155	160
Ile Ile Phe Leu Leu Lys Arg Leu Thr Phe Cys Arg Thr Asn Ile Leu	165	170	175	
Pro His Thr Ala Cys Glu His Ala Gly Leu Ser Lys Tyr Ala Cys Asn	180	185	190	
Asp Leu Gln Val His Ile Trp Tyr Gly Phe Phe Val Leu Met Ser Thr	195	200	205	
Val Asn Leu Asp Val Val Leu Ile Phe Val Ser Tyr Val Leu Ile Leu	210	215	220	
Arg Ala Val Phe His Met Pro Ser Gln Asp Ala Arg His Lys Ala Leu	225	230	235	240
Asn Thr Cys Gly Ser His Val Cys Val Ile Ile Leu Phe Tyr Gly Pro	245	250	255	
Gly Ile Phe Ser Thr Leu Asn His Gln Phe Gly Tyr Lys Ile Ser Thr	260	265	270	
Gly Val His Val Leu Leu Ala Asn Val Cys Ile Leu Ala Pro Pro Met	275	280	285	
Leu Asn Pro Ile Ile Tyr Gly Val Lys Thr Lys Gln Ile Arg Asp Gln	290	295	300	

Val Thr His Val Leu Phe Leu Lys Val Ile
 305 310

<210> 2074
 <211> 311
 <212> PRT
 <213> Mus musculus

<400> 2074
 Met Arg Gly Glu Asn Ile Thr Lys Val Ser Thr Phe Ile Leu Leu Gly
 1 5 10 15
 Phe Pro Thr Ala Pro Glu Leu Gln Tyr Leu Leu Phe Leu Leu Phe Leu
 20 25 30
 Leu Ala Tyr Leu Phe Val Leu Val Glu Asn Leu Thr Ile Ile Leu Thr
 35 40 45
 Val Trp Ser Ser Ala Ser Leu His Arg Pro Met Tyr Tyr Phe Leu Gly
 50 55 60
 Ser Leu Ser Phe Leu Glu Ile Trp Tyr Val Ser Asp Ile Ile Pro Lys
 65 70 75 80
 Met Leu Asp Gly Phe Leu Leu Gln Arg Lys Arg Ile Ser Phe Thr Gly
 85 90 95
 Cys Met Thr Gln Leu Tyr Phe Phe Ile Ser Leu Val Cys Thr Glu Cys
 100 105 110
 Val Leu Leu Ala Ser Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys His
 115 120 125
 Pro Leu Arg Tyr Gln Val Ile Met Thr Thr Gly Leu Cys Val Gln Leu
 130 135 140
 Val Ala Phe Ser Phe Ala Ser Ala Phe Thr Val Ser Val Ile Lys Val
 145 150 155 160
 Tyr Phe Ile Ser Ser Ala Thr Phe Cys Gly Ser Asn Val Leu Asn His
 165 170 175
 Phe Phe Cys Asp Ile Ser Pro Ile Leu Lys Leu Ala Cys Thr Asp Phe
 180 185 190
 Ser Thr Ala Glu Leu Val Asp Phe Ile Leu Ala Phe Ile Ile Leu Val
 195 200 205
 Phe Pro Leu Leu Ala Thr Ile Leu Ser Tyr Gly Tyr Ile Thr Leu Ala
 210 215 220
 Val Leu Arg Ile Pro Ser Ala Thr Gly Arg Trp Arg Ala Phe Ser Thr
 225 230 235 240
 Cys Ala Ser His Leu Thr Val Val Thr Phe Phe Tyr Val Ala Met Leu
 245 250 255
 Phe Ile Tyr Val Arg Pro Gln Ala Ile Asp Thr Arg Ser Ser Asn Lys
 260 265 270
 Leu Ile Ser Ala Val Tyr Thr Val Leu Thr Pro Ile Leu Asn Pro Leu
 275 280 285
 Ile Tyr Cys Leu Arg Asn Lys Glu Phe Lys Asp Ala Val Lys Arg Thr
 290 295 300
 Leu Gly Leu Gly His Thr Leu
 305 310

<210> 2075
 <211> 318
 <212> PRT
 <213> Mus musculus

<400> 2075
 Met Glu Glu Gly Asn Gln Thr Gly Met Val Leu Phe His Phe Arg Pro

Cys	Leu	Ala	Gln	Leu	Tyr	Phe	Tyr	Leu	Tyr	Phe	Ala	Asp	Leu	Glu	Ser	100	105	110
Phe	Leu	Leu	Val	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Phe	115	120	125
Pro	Leu	His	Tyr	Met	Ser	Ile	Met	Ser	Pro	Arg	Leu	Cys	Val	Ser	Leu	130	135	140
Val	Leu	Leu	Ser	Trp	Val	Leu	Thr	Thr	Phe	His	Ala	Met	Leu	His	Thr	145	150	155
Leu	Leu	Val	Ala	Arg	Leu	Ser	Phe	Cys	Glu	Asp	Asn	Val	Ile	Pro	His	165	170	175
Phe	Phe	Cys	Asp	Ile	Ser	Pro	Leu	Leu	Lys	Leu	Ser	Cys	Ser	Asp	Thr	180	185	190
His	Ile	Asn	Glu	Leu	Val	Ile	Phe	Val	Met	Gly	Gly	Leu	Val	Ile	Val	195	200	205
Ile	Pro	Phe	Leu	Leu	Ile	Val	Val	Ser	Tyr	Ala	Arg	Val	Val	Thr	Ser	210	215	220
Ile	Leu	Lys	Val	Pro	Ser	Val	Arg	Gly	Ile	Arg	Gln	Val	Phe	Ser	Thr	225	230	235
Cys	Gly	Ser	His	Leu	Ser	Val	Val	Ser	Leu	Phe	Tyr	Gly	Thr	Ile	Ile	245	250	255
Gly	Leu	Tyr	Leu	Cys	Pro	Thr	Ala	Asn	Asn	Thr	Thr	Val	Lys	Glu	Thr	260	265	270
Val	Met	Ala	Met	Met	Tyr	Thr	Val	Val	Thr	Pro	Met	Leu	Asn	Pro	Phe	275	280	285
Ile	Tyr	Ser	Leu	Arg	Asn	Arg	Asp	Met	Lys	Gly	Ala	Leu	Ala	Arg	Val	290	295	300
Leu	Cys	Lys	Lys	Lys	Ile	Thr	Phe	Cys	Leu							305		310

<210> 2077

<211> 272

<212> PRT

<213> Mus musculus

<400> 2077

Met	Ala	Phe	Glu	Asn	Ala	Ser	Met	Val	Ile	Glu	Phe	Ile	Leu	Leu	Gly	1	5	10	15
Ile	Thr	Asp	Gln	Pro	Asp	Leu	Lys	Ile	Pro	Phe	Phe	Leu	Leu	Phe	Phe	20	25	30	
Val	Gly	Tyr	Met	Ile	Thr	Val	Leu	Gly	Asn	Leu	Thr	Leu	Ile	Ile	Leu	35	40	45	
Ile	Gly	Leu	Asn	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Leu	Leu	Phe	50	55	60	
Asn	Leu	Ser	Phe	Ile	Asp	Leu	Cys	Tyr	Ser	Ser	Val	Ile	Thr	Pro	Lys	65	70	75	80
Met	Leu	Met	Ser	Phe	Ile	Gln	Lys	Lys	Asn	Ile	Ile	Ser	Tyr	Thr	Gly	85	90	95	
Cys	Met	Ile	Gln	Leu	Tyr	Phe	Phe	Cys	Phe	Phe	Val	Ile	Ser	Glu	Cys	100	105	110	
Tyr	Val	Leu	Thr	Ser	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asn	115	120	125	
Pro	Leu	Leu	Tyr	Asn	Val	Thr	Leu	Ser	Ser	Lys	Val	Cys	Cys	Tyr	Leu	130	135	140	
Met	Leu	Gly	Ser	Tyr	Phe	Met	Gly	Phe	Ser	Gly	Ala	Met	Ile	His	Thr	145	150	155	160
Gly	Cys	Ile	Leu	Arg	Leu	Thr	Phe	Cys	Asp	Gly	Asn	Thr	Ile	Asn	His	165	170	175	
Tyr	Phe	Cys	Asp	Leu	Leu	Pro	Leu	Leu	Gln	Ile	Ser	Cys	Thr	Ser	Thr				

<210> 2079
 <211> 309
 <212> PRT
 <213> Mus musculus

<400> 2079
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 1 5 10 15
 Ala Pro Glu Leu Gln Val Cys Val Phe Leu Phe Leu Leu Leu Thr Tyr
 20 25 30
 Ile Leu Ser Val Leu Gly Asn Leu Thr Ile Ile Val Leu Thr Leu Leu
 35 40 45
 Asp Ser His Leu Gln Thr Pro Met Tyr Phe Phe Leu Arg Asn Phe Ser
 50 55 60
 Phe Leu Glu Ile Ser Phe Thr Ser Thr Phe Thr Pro Arg Val Leu Phe
 65 70 75 80
 Ser Ile Ser Thr Gly Ile Lys Thr Ile Ser Phe Ala Gly Cys Phe Thr
 85 90 95
 Gln Tyr Phe Phe Ala Ile Leu Phe Gly Ala Thr Glu Phe Tyr Leu Leu
 100 105 110
 Thr Ala Met Ser Tyr Asp Arg Tyr Val Ala Ile Cys Lys Pro Leu His
 115 120 125
 Tyr Thr Thr Ile Met Ser Asn Arg Val Cys Thr Leu Leu Val Leu Cys
 130 135 140
 Ser Trp Met Ser Gly Phe Leu Ile Ile Leu Phe Pro Ile Ile Leu Thr
 145 150 155 160
 Ser Gln Leu Asp Phe Cys Ala Ser Asn Val Leu Asn His Tyr Tyr Cys
 165 170 175
 Asp Tyr Gly Pro Leu Ile Glu Ile Ala Cys Ser Asp Thr Arg Leu Leu
 180 185 190
 Glu Leu Phe Asp Phe Val Leu Ala Val Val Thr Leu Ile Val Thr Leu
 195 200 205
 Val Leu Val Ile Phe Ser Tyr Thr Arg Ile Ile Arg Thr Ile Leu Lys
 210 215 220
 Ile Pro Ser Ala Gln Gln Arg Lys Lys Ala Phe Ser Thr Cys Ser Ser
 225 230 235 240
 His Met Val Val Ile Ser Leu Ser Tyr Gly Ser Cys Ile Phe Met Tyr
 245 250 255
 Ile Lys Pro Ser Ala Thr Glu Gly Val Ala Phe Asn Lys Gly Val Ala
 260 265 270
 Val Leu Asn Asn Ser Val Ala Pro Leu Leu Asn Pro Phe Ile Tyr Thr
 275 280 285
 Leu Arg Asn Lys Gln Val Lys Gln Ser Phe Lys Asp Ile Thr Arg Lys
 290 295 300
 Ile Val Asn Leu Gln
 305

<210> 2080
 <211> 312
 <212> PRT
 <213> Mus musculus

<400> 2080
 Glu Thr Ile Ala Asn Ser Thr Leu Val Thr Glu Phe Phe Leu Glu Val
 1 5 10 15
 Phe Ala Glu Ile Trp Glu Leu Arg Ile Leu Ile Thr Val Leu Phe Leu

Glu	Cys	Val	Leu	Leu	Ser	Met	Met	Ala	Phe	Asp	Arg	Tyr	Val	Ala	Ile	
		115					120					125				
Cys	Asn	Pro	Leu	Arg	Tyr	Pro	Val	Val	Met	Asn	Lys	Ala	Ala	Tyr	Val	
	130					135					140					
Pro	Met	Ala	Val	Ser	Ser	Trp	Ser	Gly	Gly	Ile	Ala	Val	Ser	Val	Val	
145					150					155					160	
Gln	Thr	Ser	Leu	Ala	Met	Lys	Leu	Thr	Phe	Cys	Gly	Asp	Asn	Val	Ile	
			165						170					175		
Asn	His	Phe	Thr	Cys	Glu	Ile	Leu	Ala	Val	Leu	Lys	Leu	Ala	Cys	Ala	
		180						185					190			
Asp	Ile	Ser	Ile	Asn	Val	Ile	Ser	Met	Gly	Val	Thr	Asn	Ile	Ile	Phe	
	195						200					205				
Leu	Gly	Val	Pro	Val	Leu	Phe	Ile	Ser	Phe	Ser	Tyr	Val	Phe	Ile	Leu	
	210					215					220					
Val	Thr	Ile	Leu	Arg	Ile	Pro	Ser	Ala	Glu	Gly	Arg	Lys	Lys	Ala	Phe	
225					230					235					240	
Ser	Thr	Cys	Ser	Ala	His	Leu	Thr	Val	Val	Leu	Val	Phe	Tyr	Gly	Thr	
				245					250					255		
Ile	Leu	Phe	Met	Tyr	Gly	Lys	Pro	Lys	Ser	Lys	Asp	Pro	Leu	Gly	Ala	
		260					265						270			
Asp	Lys	Gln	Asp	Leu	Ala	Asp	Leu	Ile	Ser	Leu	Phe	Tyr	Gly	Val	Leu	
	275						280					285				
Thr	Pro	Met	Leu	Asn	Pro	Ile	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	
	290					295					300					
Arg	Ala	Ala	Val	Thr	Asn	Leu	Val	Val	Leu	Lys	Lys	Ser	Phe	Thr		
305					310					315						

<210> 2082

<211> 314

<212> PRT

<213> Mus musculus

<400> 2082

Met	Asn	His	Glu	Glu	Leu	Glu	Ser	Ile	Asn	Asn	Val	Ser	Thr	Val	Ile	
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Gln	Phe	Val	Leu	Ile	Gly	Phe	Ser	Asp	Leu	Pro	Asn	Leu	Gln	Gly	Phe	
		20					25					30				
Leu	Phe	Ala	Val	Phe	Ser	Val	Val	Tyr	Ile	Ile	Ile	Leu	Ile	Gly	Asn	
	35						40					45				
Phe	Leu	Ile	Ile	Ile	Ile	Ile	Ser	Thr	Asp	Gln	Ala	Leu	Gln	Lys	Pro	
	50					55				60						
Met	Tyr	Phe	Phe	Leu	Ala	Asn	Phe	Ser	Ser	Leu	Glu	Ile	Cys	Tyr	Val	
65				70					75				80			
Ser	Val	Thr	Val	Pro	Arg	Ile	Leu	Phe	Asn	Ile	Gly	Thr	Gln	Asn	Arg	
			85						90				95			
Ser	Ile	Ser	Leu	Met	Ser	Cys	Ala	Thr	Gln	Leu	Cys	Phe	Phe	Leu	Val	
		100						105					110			
Phe	Gly	Thr	Thr	Glu	Cys	Leu	Leu	Ala	Val	Met	Ser	Tyr	Asp	Arg		
	115						120					125				
Tyr	Val	Ala	Ile	Cys	Asn	Pro	Leu	His	Tyr	Pro	Leu	Val	Met	Asn	Pro	
	130					135					140					
Thr	Lys	Cys	Thr	Gln	Leu	Ala	Ala	Val	Ser	Trp	Leu	Gly	Gly	Ile	Pro	
145					150					155					160	
Val	Gln	Ile	Gly	Gln	Thr	Cys	Gln	Ile	Phe	Ser	Met	Asn	Phe	Cys	Asn	
			165						170					175		
Ser	Tyr	Lys	Ile	Asn	His	Phe	Phe	Cys	Asp	Ile	Pro	Pro	Ile	Leu	Thr	
		180						185					190			
Leu	Ala	Cys	Gly	Asn	Thr	Ser	Val	His	Glu	Leu	Ser	Val	Tyr	Val	Val	

		195					200				205								
Val	Met	Val	Val	Ala	Ala	Phe	Pro	Phe	Ile	Leu	Val	Leu	Thr	Ser	Tyr				
	210					215					220								
Ser	Lys	Ile	Ile	Ala	Thr	Ile	Leu	Arg	Leu	Pro	Thr	Ala	Lys	Gly	Arg				
225					230					235					240				
Gly	Lys	Ala	Phe	Ser	Thr	Cys	Ser	Ser	His	Leu	Leu	Val	Val	Leu	Leu				
				245					250					255					
Phe	Tyr	Gly	Ser	Ala	Thr	Val	Thr	Tyr	Leu	Arg	Pro	Lys	Ser	Met	His				
			260					265					270						
Ser	Pro	Gly	Thr	Asp	Lys	Leu	Leu	Ser	Leu	Phe	Tyr	Thr	Ile	Val	Thr				
		275				280						285							
Pro	Met	Phe	Asn	Pro	Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Ile				
	290					295					300								
Ala	Ala	Leu	Arg	Lys	Leu	Ile	Leu	Lys	Lys										
305					310														

<210> 2083
 <211> 310
 <212> PRT
 <213> Mus musculus

<400> 2083

Gln	Ala	Asn	His	Ser	Ser	Ala	Glu	Arg	Phe	Leu	Leu	Leu	Gly	Phe	Ser				
1				5					10					15					
Asp	Trp	Pro	Ser	Leu	Gln	Pro	Val	Leu	Phe	Ala	Leu	Val	Leu	Leu	Cys				
			20					25					30						
Tyr	Leu	Leu	Thr	Leu	Thr	Gly	Asn	Ala	Ala	Leu	Val	Leu	Leu	Ala	Ile				
	35					40						45							
Arg	Asp	Pro	Arg	Leu	His	Thr	Pro	Met	Tyr	Tyr	Phe	Leu	Cys	His	Leu				
	50					55					60								
Ala	Leu	Val	Asp	Val	Gly	Phe	Thr	Thr	Ser	Val	Val	Pro	Pro	Leu	Leu				
65					70				75					80					
Ala	Ser	Leu	Arg	Gly	Ser	Met	Leu	Gln	Leu	Pro	Arg	Ala	Gly	Cys	Met				
				85				90					95						
Ala	Gln	Leu	Cys	Ser	Ser	Leu	Ala	Leu	Gly	Ser	Ala	Glu	Cys	Val	Leu				
			100					105					110						
Leu	Ala	Val	Met	Ala	Leu	Asp	Arg	Ala	Ala	Ala	Val	Cys	Asn	Pro	Leu				
	115						120					125							
Arg	Tyr	Thr	Ser	Leu	Ala	Ser	Pro	Leu	Leu	Cys	Arg	Thr	Leu	Ala	Arg				
	130					135					140								
Ile	Ser	Trp	Leu	Gly	Gly	Leu	Ala	Asn	Ser	Ala	Ala	Gln	Thr	Ala	Leu				
145				150					155					160					
Leu	Ala	Ala	Arg	Pro	Leu	Cys	Ala	Pro	Arg	Cys	Leu	Asp	His	Phe	Ile				
				165					170				175						
Cys	Glu	Leu	Pro	Ala	Leu	Leu	Gln	Leu	Ala	Cys	Arg	Gly	Gly	Arg	Ser				
			180					185					190						
Ala	Thr	Glu	Arg	Gln	Met	Phe	Ala	Ala	Arg	Val	Val	Ile	Leu	Leu	Val				
	195						200					205							
Pro	Ser	Ala	Val	Ile	Leu	Ala	Ser	Tyr	Ile	Ala	Val	Gly	Arg	Ala	Val				
	210					215					220								
Trp	Gly	Met	His	Ser	Ser	Ser	Gly	Trp	Arg	Lys	Ala	Ala	Ser	Thr	Cys				
225					230				235					240					
Gly	Ser	His	Leu	Thr	Ala	Val	Cys	Leu	Phe	Tyr	Gly	Ser	Ala	Thr	Tyr				
				245					250					255					
Thr	Tyr	Leu	Gln	Pro	Thr	His	Ser	Tyr	Asn	Gln	Gly	Arg	Gly	Lys	Phe				
			260					265					270						
Val	Ser	Leu	Phe	Tyr	Thr	Val	Val	Thr	Pro	Ala	Leu	Asn	Pro	Leu	Ile				
	275						280					285							

Tyr	Thr	Leu	Arg	Asn	Lys	Glu	Val	Lys	Gly	Ala	Ala	Leu	Arg	Leu	Leu
	290					295					300				
Arg	Ser	Leu	Gly	Arg	Pro										
305					310										

<210> 2084
 <211> 308
 <212> PRT
 <213> Mus musculus

<400> 2084															
Met	Ser	Asn	Gln	Thr	Ser	Val	Thr	Glu	Phe	Leu	Leu	Leu	Gly	Val	Thr
1				5					10					15	
Asp	Ile	Gln	Glu	Leu	Asn	Pro	Ile	Leu	Phe	Val	Val	Phe	Phe	Thr	Ile
			20					25					30		
Tyr	Phe	Val	Asn	Ile	Thr	Gly	Asn	Gly	Ala	Ile	Leu	Met	Ile	Val	Ile
		35					40					45			
Leu	Asp	Pro	Arg	Leu	His	Ser	Pro	Met	Tyr	Phe	Phe	Leu	Gly	Asn	Leu
	50					55					60				
Ala	Cys	Leu	Asp	Ile	Cys	Phe	Ser	Thr	Val	Thr	Leu	Pro	Lys	Met	Leu
65					70				75						80
Gln	Asn	Leu	Leu	Ser	Thr	Ser	Lys	Ala	Ile	Ser	Phe	Leu	Gly	Cys	Ile
				85					90					95	
Thr	Gln	Leu	His	Phe	Phe	His	Phe	Leu	Gly	Ser	Thr	Glu	Ala	Met	Leu
			100					105					110		
Leu	Pro	Val	Met	Ala	Phe	Asp	Arg	Phe	Val	Ala	Ile	Cys	Arg	Pro	Leu
		115					120					125			
His	Tyr	Ser	Val	Ile	Met	Asn	His	Gln	Leu	Cys	Ile	His	Met	Thr	Val
	130					135					140				
Thr	Ile	Trp	Thr	Leu	Gly	Phe	Phe	His	Ala	Leu	Leu	His	Ser	Val	Met
145					150					155					160
Thr	Ser	Arg	Leu	Ser	Phe	Cys	Gly	Pro	Asn	His	Val	His	His	Phe	Phe
				165					170					175	
Cys	Asp	Ile	Lys	Pro	Leu	Leu	Asp	Leu	Ala	Cys	Gly	Asn	Thr	Glu	Leu
			180					185					190		
Asn	Leu	Trp	Leu	Leu	Asn	Thr	Val	Thr	Gly	Thr	Ile	Ala	Leu	Thr	Pro
		195					200					205			
Phe	Phe	Leu	Thr	Phe	Leu	Ser	Tyr	Phe	Tyr	Ile	Ile	Thr	Tyr	Leu	Phe
	210					215						220			
Leu	Lys	Thr	Arg	Ser	Cys	Ser	Met	Leu	His	Lys	Ala	Leu	Ser	Thr	Cys
225					230					235					240
Ala	Ser	His	Phe	Met	Val	Val	Ile	Leu	Leu	Tyr	Val	Pro	Val	Leu	Phe
				245						250				255	
Thr	Tyr	Ile	Arg	Pro	Ala	Ser	Gly	Ser	Ser	Leu	Asp	Gln	Asp	Arg	Ile
			260					265					270		
Ile	Ala	Ile	Met	Tyr	Ser	Val	Val	Thr	Pro	Ala	Leu	Asn	Pro	Leu	Ile
		275						280				285			
Tyr	Thr	Leu	Arg	Asn	Lys	Glu	Val	Arg	Ser	Ala	Leu	Asn	Arg	Lys	Val
	290					295						300			
Arg	Arg	Trp	Leu												
305															

<210> 2085
 <211> 315
 <212> PRT
 <213> Mus musculus

<400> 2085

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Leu Ser Val Ile Cys Gln Ile Leu Ala His Leu Gln Leu Glu Thr His
 1          5          10          15
Ser Met Gln Thr Lys Gly Ser Thr Gly Ser Val Ala Phe Tyr Ile Ile
 20          25          30
Thr Ile Leu Gly Asn Leu Gly Met Ile Ile Leu Ile Gln Val Asp Ile
 35          40          45
Gln Leu His Thr Pro Met Tyr Phe Leu Leu Arg His Leu Pro Leu Leu
 50          55          60
Asp Gly Thr Ser Ile Ser Leu Tyr Thr Ser Val Ile Thr Pro Gln Ile
 65          70          75          80
Met Ala Thr Leu Ala Lys Asn Lys Met Thr Ile Ser Cys Gly Arg Cys
 85          90          95
Ala Thr Gln Phe Phe Ser Phe Thr Ile Cys Ala Val Thr Glu Cys Phe
100          105          110
Leu Leu Ser Val Met Ala Tyr Asp Arg Tyr Val Ala Ile Ser Asn Ser
115          120          125
Gln Leu Tyr Thr Val Ile Met Ser Pro Lys Lys Cys Trp Ser Leu Val
130          135          140
Ala Val Ala Tyr Val Gly Gly Leu Phe Gly Val Ile Leu Arg Thr Thr
145          150          155          160
Cys Thr Phe Ser Leu Phe Phe Cys Glu Asp Asn Gln Ile Asn Phe Phe
165          170          175
Phe Ser Asp Leu Pro Pro Leu Leu Lys Leu Ala Cys Ser Asp Thr Ile
180          185          190
Asn Ile Glu Ile Ile Val Val Cys Phe Gly Asn Phe Val Ile Leu Ala
195          200          205
Asn Ala Leu Val Ile Leu Ile Ser Asn Met Phe Ile Ile Lys Ala Val
210          215          220
Ile Lys Leu Lys Ser Ser Gly Ser Arg Gly Lys Thr Phe Ser Thr Cys
225          230          235          240
Thr Ser His Leu Thr Ala Val Gly Leu Leu Phe Gly Ile Leu Ile Phe
245          250          255
Ile Tyr Ile Gln Arg Ser Ser Gly Lys Ser Leu Glu Glu Asp Lys Val
260          265          270
Val Ser Val Phe Asn Thr Val Ile Ile Pro Met Leu Asn Pro Leu Ile
275          280          285
Tyr Thr Leu Arg Asn Lys Asp Val Lys Ala Ala Phe Arg Lys Val Thr
290          295          300
Gly Arg Phe Gln Val Ser Gln Thr Leu Gln Asn
305          310          315
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<210> 2086

<211> 277

<212> PRT

<213> Mus musculus

<400> 2086

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Met Pro Asn Phe Thr Asp Val Thr Glu Phe Leu Leu Val Gly Leu Thr
 1          5          10          15
Arg Arg Gln Glu Leu Arg Val Leu Phe Phe Val Val Phe Leu Val Val
 20          25          30
Tyr Met Val Thr Leu Leu Gly Asn Ile Gly Met Ile Ile Leu Ile Ser
 35          40          45
Ile Ser Leu Gln Leu Gln Ser Pro Met Tyr Phe Phe Leu Ser His Leu
 50          55          60
Ser Phe Val Asp Val Leu Phe Ser Ser Asn Val Thr Pro Lys Met Leu
 65          70          75          80
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Glu	Asn	Leu	Ile	Ser	Glu	Thr	Lys	Thr	Ile	Ser	Tyr	Val	Gly	Cys	Leu
			85						90					95	
Val	Gln	Cys	Tyr	Phe	Phe	Ile	Ala	Leu	Val	His	Val	Glu	Val	Tyr	Ile
			100					105					110		
Leu	Ala	Val	Met	Ala	Phe	Asp	Arg	Tyr	Met	Ala	Ile	Cys	Asn	Pro	Leu
		115					120					125			
Leu	Tyr	Ser	Ser	Lys	Met	Ser	Arg	Val	Val	Cys	Ile	Arg	Leu	Ile	Ser
	130					135					140				
Val	Pro	Tyr	Val	Tyr	Gly	Phe	Ser	Val	Ser	Leu	Ile	Cys	Thr	Leu	Trp
145					150					155					160
Thr	Tyr	Gly	Leu	Tyr	Phe	Cys	Gly	Asn	Ile	Lys	Ile	Asn	His	Phe	Tyr
				165					170					175	
Cys	Ala	Asp	Pro	Pro	Leu	Ile	Lys	Ile	Ala	Cys	Gly	Gly	Val	His	Ile
			180					185					190		
Lys	Glu	Tyr	Thr	Met	Ile	Val	Ile	Ala	Gly	Ile	Asn	Phe	Thr	Tyr	Ser
		195					200					205			
Leu	Ser	Val	Val	Leu	Ile	Ser	Tyr	Val	Leu	Ile	Val	Val	Ala	Val	Leu
	210					215					220				
Arg	Met	His	Ser	Ala	Asp	Gly	Arg	Arg	Lys	Ala	Phe	Ser	Thr	Cys	Gly
225					230					235					240
Ser	His	Leu	Thr	Ala	Val	Ser	Met	Phe	Tyr	Gly	Thr	Leu	Ile	Phe	Met
				245					250					255	
Tyr	Leu	Arg	Arg	Pro	Thr	Glu	Glu	Ser	Val	Glu	Gln	Gly	Lys	Met	Val
			260					265					270		
Ala	Val	Phe	Tyr	Thr											
		275													

<210> 2087

<211> 312

<212> PRT

<213> Mus musculus

<400> 2087

Ser	Trp	Glu	Asp	Gly	Asn	His	Thr	Ala	Leu	Thr	Glu	Phe	Ile	Leu	Leu
1				5					10					15	
Gly	Leu	Thr	Asp	Glu	Pro	Val	Leu	Arg	Val	Val	Leu	Phe	Thr	Ile	Ile
			20					25					30		
Leu	Cys	Ile	Tyr	Leu	Val	Thr	Val	Ser	Gly	Asn	Leu	Ser	Thr	Ile	Leu
		35					40				45				
Leu	Ile	Arg	Val	Ser	Ser	Gln	Leu	His	His	Pro	Met	Tyr	Phe	Phe	Leu
	50					55					60				
Ser	His	Leu	Ala	Ser	Ala	Asp	Ile	Gly	Tyr	Ser	Ser	Ser	Val	Thr	Pro
65					70					75					80
Asn	Met	Leu	Val	Asn	Phe	Leu	Val	Glu	Lys	Asn	Thr	Ile	Thr	Tyr	Leu
				85					90					95	
Arg	Cys	Gly	Ile	Gln	Leu	Gly	Ser	Ser	Ala	Phe	Phe	Gly	Thr	Val	Glu
			100					105					110		
Cys	Phe	Val	Leu	Thr	Ala	Met	Ala	Tyr	Asp	Arg	Phe	Val	Ala	Ile	Cys
		115					120					125			
Ser	Pro	Leu	Leu	Tyr	Ser	Thr	Lys	Met	Ser	Ile	Gln	Val	Cys	Ile	Gln
	130					135					140				
Leu	Leu	Val	Val	Ala	Tyr	Ile	Ser	Gly	Phe	Leu	Asn	Ala	Ser	Ser	Phe
145					150					155					160
Thr	Leu	Ser	Phe	Phe	Thr	Phe	Phe	Phe	Cys	Gly	Pro	Asn	Ile	Ile	Asn
				165					170					175	
His	Phe	Phe	Cys	Asp	Phe	Thr	Pro	Leu	Val	Glu	Leu	Ser	Cys	Ser	Asp
			180					185					190		
Asp	Arg	Val	Ser	Ile	Ile	Leu	Ala	Thr	Ile	Ser	Val	Gly	Thr	Val	Ile

		195					200					205					
Phe	Ile	Thr	Val	Leu	Ile	Ile	Val	Val	Ser	Tyr	Ile	Tyr	Ile	Leu	Ile		
	210					215					220						
Thr	Ile	Leu	Lys	Met	His	Ser	Thr	Glu	Gly	Arg	His	Lys	Ala	Phe	Ser		
225					230					235					240		
Thr	Cys	Thr	Ser	His	Leu	Thr	Ala	Val	Thr	Leu	Phe	Tyr	Gly	Thr	Val		
				245					250					255			
Thr	Phe	Ile	Tyr	Val	Met	Pro	Lys	Ser	Asn	Tyr	Ser	Thr	Asp	Gln	Asn		
		260						265					270				
Lys	Val	Val	Ser	Val	Phe	Tyr	Met	Val	Val	Ile	Pro	Met	Leu	Asn	Pro		
	275						280					285					
Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Asn	Glu	Ile	Lys	Gly	Ala	Leu	Lys	Arg		
	290					295					300						
Gln	Leu	Gly	Arg	Lys	Ile	Phe	Ser										
305					310												

<210> 2088

<211> 315

<212> PRT

<213> Mus musculus

<400> 2088

Met	Trp	Met	Ile	Pro	Gly	Gln	Asn	Gln	Ser	Trp	Val	Ser	Glu	Phe	Ile		
1				5					10					15			
Leu	Ile	Gly	Phe	Ser	Ser	Asp	Pro	Thr	Thr	Asn	Ser	Ile	Leu	Phe	Ile		
			20					25					30				
Val	Phe	Leu	Leu	Ile	Tyr	Leu	Ser	Val	Leu	Gly	Asn	Gly	Leu	Ile			
	35					40				45							
Ile	Met	Leu	Val	Cys	Leu	Asp	Thr	Gln	Leu	His	Thr	Pro	Met	Tyr	Phe		
	50					55					60						
Phe	Leu	Cys	Thr	Leu	Ser	Leu	Leu	Asp	Met	Ser	Phe	Val	Thr	Thr	Thr		
65				70					75						80		
Val	Pro	Gln	Met	Leu	Val	His	Leu	Leu	Ala	His	Ser	Gln	Thr	Ile	Ser		
				85					90					95			
Phe	Ala	Gly	Cys	Trp	Leu	Gln	Met	Phe	Val	Phe	Gly	Ala	Leu	Gly	Met		
		100					105					110					
Thr	Glu	Cys	Thr	Phe	Phe	Val	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala		
	115						120					125					
Ile	Cys	Tyr	Pro	Leu	Arg	Tyr	Thr	Val	Ile	Leu	Asn	Trp	Gly	Leu	Cys		
	130					135					140						
Met	Arg	Leu	Ala	Ala	Gly	Thr	Trp	Ile	Ser	Gly	Phe	Phe	Ser	Ser	Leu		
145					150					155					160		
Leu	His	Thr	Phe	Phe	Thr	Met	Ser	Leu	Pro	Tyr	Cys	Gly	Pro	Asn	Arg		
				165					170					175			
Val	Asn	His	Tyr	Phe	Cys	Glu	Gly	Pro	Ser	Val	Arg	Ser	Leu	Ala	Cys		
		180						185					190				
Met	Asp	Thr	His	Ile	Ile	Glu	Met	Val	Asp	Ser	Val	Leu	Ile	Val	Ile		
	195					200						205					
Leu	Val	Ile	Val	Pro	Ile	Ser	Leu	Ile	Val	Ala	Ser	Tyr	Ile	Arg	Ile		
	210					215					220						
Val	Met	Ala	Ile	Leu	Lys	Ile	Lys	Ser	Thr	Gln	Gly	Arg	Cys	Lys	Ala		
225					230					235					240		
Phe	Ser	Thr	Cys	Ala	Ser	His	Leu	Thr	Val	Val	Thr	Leu	Phe	Tyr	Val		
				245					250					255			
Pro	Ala	Ser	Tyr	Ile	Tyr	Leu	Arg	Pro	Asn	Ser	Ser	Tyr	Ser	Pro	Glu		
		260						265				270					
Arg	Asp	Lys	Gln	Val	Ser	Leu	Phe	Tyr	Asn	Val	Phe	Thr	Ala	Leu	Leu		
	275						280					285					

Asn	Pro	Val	Val	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Ile	Lys	Arg	Ala	Phe
	290					295					300				
Leu	Lys	Val	Met	Gly	His	Ala	Arg	Val	Asp	Ser					
305					310					315					

<210> 2089

<211> 447

<212> PRT

<213> Mus musculus

<400> 2089

Met	Ser	Val	Phe	Asn	Ala	Ser	Asn	Ile	Glu	Ile	Pro	Thr	Phe	Val	Leu
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Ile	Gly	Ile	Pro	Gly	Leu	Glu	His	Val	His	Ile	Trp	Leu	Ser	Ile	Pro
			20					25					30		
Ile	Cys	Leu	Met	Tyr	Leu	Val	Ala	Ile	Met	Gly	Asn	Cys	Thr	Ile	Leu
		35					40					45			
Phe	Leu	Ile	Lys	Thr	Glu	Thr	Ser	Leu	His	Glu	Pro	Met	Tyr	Tyr	Phe
	50					55					60				
Leu	Ser	Met	Leu	Ala	Phe	Ser	Asp	Leu	Gly	Leu	Ser	Val	Ser	Ser	Leu
65					70					75					80
Pro	Thr	Val	Leu	Arg	Ile	Phe	Leu	Phe	Asn	Ser	Thr	Glu	Ile	Ser	Ser
				85					90					95	
Asp	Ala	Cys	Phe	Ala	Gln	Glu	Phe	Phe	Ile	His	Gly	Phe	Ser	Ala	Met
			100					105					110		
Glu	Ser	Ser	Val	Leu	Phe	Ile	Met	Ala	Ile	Asp	Arg	Phe	Ile	Ala	Val
		115					120					125			
Tyr	Asn	Pro	Leu	Arg	Tyr	Thr	Ser	Ile	Leu	Thr	Val	Arg	Arg	Val	Phe
	130					135					140				
Lys	Thr	Gly	Leu	Ile	Phe	Ala	Thr	Phe	Cys	Ile	Ala	Val	Val	Leu	Pro
145					150					155					160
Phe	Pro	Phe	Ile	Leu	Lys	Arg	Leu	Lys	Phe	Cys	Lys	Lys	Ser	Leu	Leu
				165					170					175	
Ser	His	Ser	Tyr	Cys	Leu	His	Gln	Asp	Val	Met	Lys	Val	Ala	Cys	Ser
			180					185					190		
Asn	Asn	Arg	Ile	Asn	Val	Ile	Tyr	Gly	Phe	Phe	Val	Ala	Thr	Ser	Ser
	195						200					205			
Leu	Leu	Tyr	Leu	Val	Phe	Ile	Ser	Val	Ser	Tyr	Met	Leu	Ile	Leu	Lys
	210					215					220				
Ile	Val	Leu	Gly	Cys	Glu	Glu	Pro	Pro	Ser	His	Leu	Pro	Leu	Asp	Gly
225					230					235					240
Thr	Asp	Ser	Cys	Val	Leu	Ser	Gly	Lys	His	Asn	Leu	His	Thr	Cys	Arg
				245					250					255	
Gly	Ser	Phe	Pro	Ala	Met	Cys	Ser	Ala	Phe	Pro	Val	Met	Thr	Thr	Gly
			260					265					270		
Pro	Met	Gly	Cys	Ser	Gln	Ser	Gly	Ser	Asn	Thr	Ser	Ala	Glu	Asp	Asn
		275					280					285			
Ser	Pro	Lys	Gly	Arg	Val	Leu	Pro	Leu	Ser	Leu	Leu	Leu	Ser	Cys	Ser
	290					295					300				
Cys	Ser	Phe	Ser	Cys	Phe	Leu	Ala	Leu	Ser	Cys	Phe	Phe	Val	Leu	Val
305					310					315					320
Leu	Phe	Leu	Ser	Leu	Ala	Leu	Leu	Leu	Ser	Cys	Ser	Leu	Ala	Pro	Glu
				325					330					335	
Asp	Val	Ser	Asn	Lys	Ala	Phe	Ala	Ala	Glu	Asp	Ser	Gly	Leu	Leu	Arg
			340					345					350		
Ser	Ser	Trp	Leu	Val	Val	Asn	Ala	Gly	Lys	Met	Gly	Ile	Thr	Ser	His
		355					360					365			
Lys	Gly	Arg	Leu	Lys	Phe	Phe	Asn	Thr	Cys	Ile	Ser	His	Ile	Cys	Ala

<210> 2091
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 <212> PRT
 <213> Mus musculus

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 <222> (90)...(95)
 <223> Any amino acid

<400> 2091
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 Glu Phe Ile Leu Leu Gly Phe Pro Gly Ile His Glu Phe Gln Ile Trp
 20 25 30
 Leu Ser Leu Pro Met Ala Leu Leu Tyr Ile Val Ala Leu Gly Ala Asn
 35 40 45
 Leu Leu Ile Leu Ile Thr Ile Tyr Leu Glu Pro Thr Leu His Gln Pro
 50 55 60
 Met Tyr Gln Phe Leu Gly Ile Leu Ala Ala Val Asp Ile Gly Leu Ala
 65 70 75 80
 Thr Thr Ser Met Pro Lys Ile Arg Pro Xaa Xaa Xaa Xaa Xaa Xaa Tyr
 85 90 95
 Ala Ile His Thr Phe Met Cys Met Glu Ser Gly Val Phe Leu Cys Met
 100 105 110
 Ala Ile Asp Arg Tyr Val Ala Ile Cys Tyr Pro Leu Gln Tyr Pro Ser
 115 120 125
 Ile Val Thr Glu Ala Phe Val Ile Lys Ala Thr Leu Ser Met Leu Leu
 130 135 140
 Arg Asn Gly Leu Leu Thr Ile Pro Val Pro Val Leu Ala Ala Gln Arg
 145 150 155 160
 Gln Tyr Cys Ser Arg Asn Glu Ile Asp His Cys Leu Cys Ser Asn Leu
 165 170 175
 Gly Val Ile Ser Leu Ala Cys Asp Asp Ile Thr Val Asn Arg Phe Tyr
 180 185 190
 Gln Leu Ala Leu Ala Trp Leu Val Val Gly Ser Asp Met Ile Leu Val
 195 200 205
 Tyr Ala Ser Tyr Ala Leu Ile Arg Ser Val Leu Arg Leu Asn Ser
 210 215 220
 Thr Glu Ala Ala Ser Lys Ala Leu Ser Thr Cys Ser Ser His Leu Ile
 225 230 235 240
 Leu Ile Met Phe Tyr Tyr Thr Ala Ile Val Ile Val Ser Val Thr His
 245 250 255
 Leu Ala Gly Arg Arg Val Pro Leu Ile Pro Val Leu Leu Asn Val Met
 260 265 270
 His Ile Val Ile Pro Pro Ser Leu Asn Pro Val Val Tyr Ala Leu Arg
 275 280 285
 Thr Gln Glu Leu Lys Val Gly Phe Arg Lys Val Phe Ser Leu Ser Glu
 290 295 300
 Phe Val Ser Arg Lys
 305

<210> 2092
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 <212> PRT
 <213> Mus musculus

<400> 2092

Met	Ile	Lys	Asn	Asn	Gln	Thr	Val	Ile	Ser	Gln	Phe	Leu	Leu	Leu	Ala
1				5					10					15	
Leu	Pro	Ile	Pro	Pro	Gln	His	Gln	Gln	Leu	Phe	Tyr	Ala	Leu	Phe	Leu
			20					25					30		
Ala	Lys	Phe	Leu	Thr	Thr	Val	Leu	Gly	Asn	Leu	Ile	Ile	Ile	Ile	Leu
		35					40					45			
Ile	Leu	Asp	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Leu	Phe	Leu	Ser	Thr
	50					55					60				
Leu	Ser	Phe	Ser	Asp	Leu	Cys	Phe	Ser	Ser	Val	Thr	Met	Pro	Lys	Leu
65					70					75					80
Leu	Gln	Asn	Met	Gln	Ser	Gln	Asp	Thr	Ser	Ile	Thr	Tyr	Ala	Gly	Cys
				85					90					95	
Leu	Thr	Gln	Met	Tyr	Phe	Phe	Met	Val	Phe	Ala	Asn	Met	Glu	Asn	Val
			100					105					110		
Leu	Leu	Val	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Phe	Pro
		115					120					125			
Ile	His	Tyr	Thr	Ser	Ile	Met	Ser	Pro	Lys	His	Cys	Val	Ser	Leu	Val
	130					135					140				
Val	Leu	Ser	Trp	Val	Phe	Thr	Ile	Leu	Tyr	Ser	Met	Leu	His	Thr	Leu
145					150					155					160
Leu	Leu	Ala	Arg	Leu	Ser	Phe	Cys	Glu	Asp	Asn	Val	Ile	Pro	His	Phe
				165					170					175	
Phe	Cys	Asp	Leu	Ser	Ala	Leu	Leu	Lys	Leu	Ala	Cys	Ser	Asp	Ile	Tyr
			180					185					190		
Ile	Asn	Glu	Val	Met	Ile	Phe	Ile	Phe	Glu	Gly	Leu	Asp	Thr	Val	Ile
		195					200					205			
Pro	Phe	Leu	Leu	Ile	Phe	Val	Ser	Cys	Val	Gln	Ile	Val	Cys	Ser	Ile
	210					215					220				
Leu	Lys	Phe	Ser	Thr	Thr	Trp	Gly	Ile	Ala	Lys	Ile	Phe	Ser	Thr	Cys
225					230					235					240
Gly	Ser	His	Leu	Ser	Val	Val	Ser	Leu	Phe	Tyr	Gly	Thr	Ile	Ile	Gly
			245						250					255	
Leu	Tyr	Phe	Cys	Pro	Thr	Asn	Asn	Ser	Thr	Val	Lys	Asp	Thr	Ala	Met
			260					265					270		
Ala	Met	Met	Tyr	Thr	Val	Val	Thr	Pro	Met	Leu	Asn	Pro	Phe	Ile	Tyr
		275					280					285			
Ser	Leu	Met	Asn	Lys	Asp	Met	Lys	Glu	Ala	Leu	Ile				
	290					295					300				

<210> 2093

<211> 310

<212> PRT

<213> Mus musculus

<400> 2093

Met	Asn	Asn	Gln	Thr	Val	Ile	Ser	Gln	Phe	Leu	Leu	Leu	Gly	Leu	Pro
1				5					10					15	
Ile	Pro	Leu	Glu	Tyr	Lys	His	Leu	Phe	Phe	Ala	Leu	Phe	Leu	Thr	Met
			20					25					30		
Tyr	Leu	Asn	Ile	Ile	Leu	Gly	Asn	Leu	Ile	Ile	Ile	Ile	Leu	Ile	Leu
		35					40					45			
Leu	Asp	Thr	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser	Asn	Leu
	50					55					60				
Ser	Phe	Ser	Asp	Leu	Cys	Phe	Ser	Ser	Val	Thr	Met	Pro	Lys	Leu	Leu
65					70					75					80
Gln	Asn	Met	Gln	Ser	Gln	Asp	Pro	Ser	Ile	Pro	Tyr	Ala	Ser	Cys	Leu

				85					90					95			
Thr	Gln	Met	Tyr	Phe	Phe	Met	Ala	Phe	Gly	Asn	Met	Glu	Ile	Tyr	Leu		
			100					105					110				
Leu	Val	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Phe	Pro	Leu		
		115					120					125					
His	Tyr	Thr	Ser	Ile	Met	Ser	Pro	Lys	Leu	Cys	Val	Ser	Leu	Val	Val		
		130				135					140						
Leu	Ser	Trp	Val	Phe	Thr	Ile	Leu	Tyr	Ser	Met	Leu	His	Thr	Leu	Leu		
145					150					155					160		
Leu	Ala	Arg	Leu	Ser	Phe	Cys	Glu	Asp	Asn	Val	Ile	Pro	His	Phe	Phe		
				165					170					175			
Cys	Asp	Ile	Ser	Ala	Leu	Leu	Lys	Leu	Ala	Cys	Ser	Asp	Ile	Ser	Ile		
			180					185					190				
Asn	Glu	Leu	Met	Ile	Phe	Ile	Val	Gly	Gly	Leu	Asp	Thr	Val	Ile	Pro		
		195					200					205					
Phe	Leu	Leu	Ile	Val	Val	Ser	Tyr	Val	Gln	Ile	Val	Cys	Ser	Ile	Leu		
	210					215					220						
Lys	Phe	Ser	Ser	Thr	Arg	Gly	Ile	His	Lys	Val	Phe	Ser	Thr	Cys	Gly		
225				230						235				240			
Ser	His	Leu	Ser	Val	Val	Ser	Leu	Phe	Tyr	Gly	Thr	Ile	Ile	Gly	Val		
				245				250						255			
Tyr	Ile	Cys	Pro	Ser	Ala	Asn	Asn	Ser	Thr	Val	Lys	Glu	Thr	Val	Met		
			260					265					270				
Ser	Leu	Met	Tyr	Thr	Val	Val	Thr	Pro	Met	Leu	Asn	Pro	Phe	Ile	Tyr		
		275					280					285					
Ser	Leu	Arg	Asn	Arg	Asp	Met	Lys	Glu	Ala	Leu	Ile	Arg	Val	Leu	Cys		
	290					295					300						
Lys	Lys	Gln	Ile	Ser	Leu												
305					310												

<210> 2094

<211> 311

<212> PRT

<213> Mus musculus

<400> 2094

Met	Pro	Gly	Lys	Asn	Gln	Thr	Ile	Ile	Ser	Glu	Phe	Leu	Leu	Leu	Gly		
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Leu	Pro	Ile	Pro	Glu	Gln	Gln	His	Leu	Phe	Tyr	Ala	Leu	Phe	Leu			
			20				25					30					
Ala	Met	Tyr	Leu	Thr	Thr	Val	Leu	Gly	Asn	Leu	Ile	Ile	Ile	Ile	Leu		
		35				40					45						
Ile	Arg	Leu	Asp	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Leu	Phe	Leu	Ser		
	50				55					60							
Asn	Leu	Ser	Phe	Ser	Asp	Leu	Cys	Phe	Ser	Ser	Val	Thr	Met	Pro	Lys		
65					70				75					80			
Leu	Leu	Leu	Asn	Met	Gln	Ser	Gln	Ile	Pro	Ser	Ile	Ser	Tyr	Ala	Ser		
			85					90					95				
Cys	Leu	Ala	Gln	Met	Tyr	Phe	Phe	Leu	Phe	Phe	Gly	Ala	Leu	Glu	Asn		
			100					105					110				
Phe	Leu	Leu	Val	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Phe		
		115				120					125						
Pro	Leu	His	Tyr	Thr	Ser	Ile	Met	Ser	Pro	Arg	Leu	Cys	Val	Ser	Met		
		130				135					140						
Val	Val	Met	Cys	Trp	Val	Leu	Thr	Thr	Phe	Asp	Ala	Met	Leu	His	Thr		
145					150					155				160			
Leu	Leu	Met	Ala	Arg	Leu	Ser	Phe	Cys	Glu	Asp	Asn	Val	Ile	Pro	His		
				165					170					175			

Phe	Phe	Cys	Asp	Met	Ser	Ala	Leu	Leu	Lys	Leu	Ser	Cys	Ser	Asp	Thr
			180					185					190		
His	Val	Asn	Glu	Val	Val	Ile	Phe	Ile	Ile	Gly	Gly	Leu	Gly	Val	Val
		195					200					205			
Leu	Pro	Phe	Leu	Leu	Ile	Thr	Val	Ser	Tyr	Ala	Arg	Ile	Ile	Ser	Ser
	210					215				220					
Ile	Leu	Lys	Val	Pro	Ser	Thr	Gln	Gly	Ile	Gln	Lys	Val	Phe	Ser	Thr
225					230				235						240
Cys	Gly	Ser	His	Leu	Ser	Val	Val	Ser	Leu	Phe	Tyr	Gly	Thr	Ile	Ile
			245					250						255	
Gly	Leu	Tyr	Leu	Gly	Pro	Ser	Ala	Tyr	Tyr	Ser	Thr	Leu	Lys	Asp	Thr
		260					265					270			
Val	Met	Ser	Met	Met	Tyr	Thr	Val	Val	Thr	Pro	Met	Leu	Asn	Pro	Phe
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Arg	Asp	Met	Lys	Gly	Ala	Leu	Lys	Arg	Leu
	290				295						300				
Phe	Gln	Lys	Lys	Thr	Ile	Phe									
305					310										

<210> 2095

<211> 311

<212> PRT

<213> Mus musculus

<400> 2095

Met	Pro	Arg	Asn	Asn	Asn	Gln	Thr	Thr	Ile	Ser	Gln	Phe	Leu	Leu	Leu
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Gly	Leu	Pro	Ile	Pro	Gln	Glu	Phe	Gln	His	Leu	Phe	Tyr	Ala	Leu	Phe
			20					25					30		
Leu	Ala	Met	Tyr	Leu	Thr	Thr	Val	Leu	Gly	Asn	Leu	Ile	Ile	Ile	Ile
		35					40					45			
Leu	Ile	Arg	Leu	Asp	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Leu	Phe	Leu
	50					55					60				
Ser	Asn	Leu	Ser	Phe	Thr	Asp	Leu	Phe	Ser	Ser	Val	Thr	Met	Pro	Lys
65					70				75						80
Leu	Leu	Gln	Asn	Met	Gln	Ser	Gln	Val	Pro	Ser	Ile	Pro	Tyr	Ala	Gly
			85						90					95	
Cys	Leu	Thr	Gln	Met	Tyr	Phe	Phe	Leu	Phe	Phe	Gly	Asp	Leu	Glu	Ser
			100					105					110		
Phe	Leu	Leu	Val	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Phe
		115					120					125			
Pro	Leu	His	Tyr	Thr	Ser	Ile	Met	Ser	Pro	Arg	Leu	Cys	Val	Ser	Leu
	130					135					140				
Val	Leu	Leu	Ser	Trp	Leu	Leu	Thr	Met	Ser	His	Ser	Met	Leu	His	Thr
145					150				155						160
Leu	Leu	Leu	Thr	Arg	Leu	Ser	Phe	Cys	Glu	Asn	Asn	Val	Ile	Pro	His
			165						170					175	
Phe	Phe	Cys	Asp	Leu	Ser	Ala	Leu	Leu	Lys	Leu	Ala	Cys	Ser	Asp	Ile
			180					185					190		
His	Ile	Asn	Glu	Leu	Val	Ile	Leu	Ile	Ile	Gly	Gly	Leu	Val	Val	Ile
		195					200					205			
Leu	Pro	Phe	Leu	Leu	Ile	Thr	Val	Ser	Tyr	Ala	Arg	Ile	Ile	Ser	Ser
	210					215					220				
Ile	Leu	Lys	Val	Pro	Ser	Thr	Gln	Gly	Ile	His	Lys	Val	Phe	Ser	Thr
225					230				235						240
Cys	Gly	Ser	His	Leu	Ser	Val	Val	Ser	Leu	Phe	Tyr	Gly	Thr	Ile	Ile
			245					250						255	
Gly	Leu	Tyr	Leu	Cys	Pro	Ser	Ala	Asn	Asn	Ser	Thr	Leu	Lys	Asp	Thr

			260					265					270				
Val	Met	Ser	Met	Met	Tyr	Thr	Val	Val	Thr	Pro	Met	Leu	Asn	Pro	Phe		
			275				280					285					
Ile	Tyr	Ser	Leu	Arg	Asn	Arg	Asp	Met	Lys	Glu	Ala	Leu	Lys	Arg	Val		
		290				295					300						
Leu	Gln	Lys	Lys	Thr	Ile	Phe											
305					310												

<210> 2096
 <211> 317
 <212> PRT
 <213> Mus musculus

<400> 2096

Met	Glu	Gln	Asp	Asn	Gln	Thr	Trp	Val	His	Glu	Phe	Ile	Leu	Leu	Gly		
1				5					10					15			
Leu	Ser	Asn	Asp	Trp	Gly	Thr	Gln	Val	Ser	Leu	Phe	Val	Leu	Phe	Leu		
			20					25					30				
Leu	Met	Tyr	Leu	Val	Thr	Val	Leu	Gly	Asn	Phe	Leu	Ile	Ile	Val	Leu		
		35					40					45					
Ile	Arg	Leu	Asp	Ser	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Thr		
	50					55					60						
Asn	Leu	Ser	Leu	Val	Asp	Ala	Ser	Tyr	Ala	Thr	Ser	Ile	Val	Pro	Gln		
65					70					75					80		
Leu	Leu	Ala	His	Phe	Leu	Ala	Thr	His	Lys	Ala	Ile	Pro	Phe	Leu	Ser		
			85						90					95			
Cys	Ala	Ala	Gln	Leu	Phe	Phe	Ser	Leu	Gly	Leu	Gly	Gly	Ile	Glu	Phe		
			100					105					110				
Leu	Leu	Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Val	Cys	Asp		
		115						120					125				
Pro	Leu	Arg	Tyr	Ser	Val	Ile	Met	His	Thr	Gly	Leu	Cys	Thr	Arg	Leu		
	130					135					140						
Val	Ile	Thr	Ser	Trp	Val	Ser	Gly	Ser	Ile	Asn	Ser	Leu	Val	His	Thr		
145					150					155					160		
Ala	Ile	Thr	Phe	Gln	Leu	Pro	Met	Cys	Thr	Asn	Lys	Tyr	Ile	Asp	His		
			165						170					175			
Ile	Ser	Cys	Glu	Ile	Leu	Ala	Val	Val	Arg	Leu	Ala	Cys	Val	Asp	Ile		
			180					185					190				
Ser	Ser	Asn	Glu	Ile	Val	Ile	Met	Val	Ser	Ser	Ile	Val	Leu	Leu	Met		
		195					200					205					
Thr	Pro	Phe	Phe	Leu	Val	Leu	Leu	Ser	Tyr	Ile	Gln	Ile	Ile	Ser	Thr		
	210					215					220						
Ile	Leu	Lys	Ile	Gln	Ser	Thr	Glu	Gly	Arg	Arg	Lys	Ala	Phe	His	Thr		
225					230					235					240		
Cys	Ala	Ser	His	Leu	Thr	Val	Val	Thr	Leu	Cys	Tyr	Gly	Thr	Thr	Ile		
			245						250					255			
Phe	Thr	Tyr	Ile	Gln	Pro	His	Ser	Ser	Pro	Ser	Val	Leu	Gln	Glu	Lys		
			260					265					270				
Leu	Ile	Ser	Leu	Phe	Tyr	Ala	Val	Leu	Met	Pro	Met	Leu	Asn	Pro	Met		
		275					280					285					
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Lys	Gly	Ala	Trp	Gln	Lys	Leu		
	290					295					300						
Leu	Gly	Lys	Phe	Ser	Val	Phe	Thr	Ser	Lys	Leu	Thr	Ser					
305					310					315							

<210> 2097
 <211> 308

<212> PRT

<213> Mus musculus

<400> 2097

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Gln Arg Pro Glu Ile Gln Arg Leu Leu Phe Val Val Phe Leu Val Ile
          20          25          30
Tyr Ala Val Thr Val Cys Gly Asn Met Leu Ile Val Val Thr Val Thr
          35          40          45
Phe Ser Ser Ser Leu Ala Ser Pro Met Tyr Phe Phe Leu Ser Asn Leu
          50          55          60
Ser Phe Ile Asp Thr Cys Tyr Ser Ser Ser Leu Ala Pro Lys Leu Ile
65          70          75          80
Ala Asp Ser Leu Val Arg Asp Asp Phe Phe Ser Tyr Glu Gly Cys Met
          85          90          95
Ala Gln Leu Phe Gly Ala His Phe Leu Gly Gly Val Glu Ile Ile Leu
          100          105          110
Leu Thr Val Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Lys Pro Leu
          115          120          125
His Tyr Thr Thr Thr Met Thr Arg His Leu Cys Val Val Leu Val Ala
130          135          140
Val Ala Trp Leu Gly Gly Phe Leu His Ser Leu Val Gln Ile Leu Leu
145          150          155          160
Ile Phe Gln Leu Pro Phe Cys Gly Pro Asn Val Ile Asn His Phe Val
          165          170          175
Cys Asp Leu Tyr Pro Leu Leu Glu Leu Ala Cys Thr Asn Thr Tyr Val
          180          185          190
Ile Gly Leu Leu Val Val Ala Asn Ser Gly Val Ile Cys Leu Leu Asn
          195          200          205
Phe Leu Met Leu Ala Ala Ser Tyr Ile Val Ile Leu His Ser Leu Arg
          210          215          220
Ser His Ser Ala Glu Gly Arg Arg Lys Ala Leu Ser Thr Cys Gly Ala
225          230          235          240
His Phe Thr Val Val Thr Met Phe Phe Val Pro Cys Ile Phe Ser Tyr
          245          250          255
Met Arg Pro Ser Thr Thr Leu Pro Ile Asp Lys Asn Met Ala Val Phe
          260          265          270
Tyr Gly Ile Leu Thr Pro Met Leu Asn Pro Leu Ile Tyr Thr Leu Arg
          275          280          285
Asn Glu Glu Val Lys Asp Ala Met Arg Lys Leu Phe Thr Arg Ser Glu
          290          295          300
Val Val Gly Ala
305
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<210> 2098

<211> 275

<212> PRT

<213> Mus musculus

<400> 2098

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Thr Val Leu Gly Asn Gly Leu Ile Val Val Thr Val Asn Ile Lys Glu
 1          5          10          15
Ser Val Phe Pro Pro Met Tyr Phe Phe Pro Pro Ile Thr Cys Pro Leu
          20          25          30
Val Glu Ile Ser Tyr Ser Ser Thr Val Val Pro Lys Phe Ile Thr Asp
          35          40          45
Leu Leu Asn Lys Ile Lys Thr Ile Ser Pro Lys Gly Cys Leu Ala Gln
```

50					55					60					
Ile	Phe	Phe	Phe	His	Phe	Phe	Gly	Val	Thr	Glu	Ile	Leu	Leu	Leu	Thr
65					70					75					80
Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu	Tyr	Tyr
				85					90					95	
Thr	Thr	Ile	Met	Ser	Arg	Pro	Lys	Cys	His	Arg	Leu	Val	Ala	Gly	Ser
			100					105					110		
Trp	Val	Gly	Gly	Phe	Phe	His	Ser	Ile	Ile	Gln	Ile	Phe	Ile	Thr	Leu
		115					120					125			
Pro	Leu	Pro	Phe	Cys	Gly	Pro	Asn	Val	Ile	Asp	His	Tyr	Phe	Cys	Asp
	130					135					140				
Leu	His	Pro	Leu	Phe	Lys	Leu	Ala	Cys	Thr	Asp	Thr	Phe	Val	Val	Gly
145					150					155					160
Val	Ile	Met	Phe	Val	Asn	Ser	Gly	Leu	Phe	Ser	Val	Phe	Ser	Phe	Leu
				165					170					175	
Phe	Leu	Val	Ser	Ser	Tyr	Ile	Val	Ile	Leu	Tyr	Asn	Leu	Arg	Asn	His
			180					185					190		
Ser	Ala	Glu	Gly	Arg	Arg	Lys	Ala	Leu	Ser	Thr	Cys	Ala	Ser	His	Ile
		195				200						205			
Met	Val	Val	Val	Leu	Phe	Phe	Gly	Pro	Ala	Ile	Phe	Leu	Tyr	Leu	Arg
	210					215					220				
Pro	Ala	Ser	Thr	Tyr	Thr	Glu	Asp	Lys	Leu	Val	Ala	Val	Phe	Tyr	Thr
225					230					235					240
Val	Ile	Thr	Pro	Met	Leu	Asn	Pro	Ile	Ile	Tyr	Thr	Leu	Arg	Asn	Ala
				245					250					255	
Glu	Val	Lys	Asn	Ala	Val	Arg	Lys	Leu	Trp	Gly	Lys	Lys	Val	Ser	Ser
			260					265					270		
Ser	Leu	Glu													
		275													

<210> 2099
 <211> 308
 <212> PRT
 <213> Mus musculus

<400> 2099

Met	Ala	Asp	Ile	His	Asn	Val	Thr	Glu	Phe	Leu	Phe	Leu	Gly	Leu	Ser
1				5					10					15	
Pro	Asn	Gln	Glu	Val	Gln	Arg	Val	Cys	Phe	Val	Leu	Phe	Leu	Leu	Leu
			20					25					30		
Tyr	Met	Ala	Ile	Val	Leu	Gly	Asn	Leu	Leu	Met	Val	Val	Thr	Val	Val
		35					40					45			
Ala	Ser	Arg	Asn	Leu	Gly	Ser	Pro	Met	Tyr	Phe	Phe	Leu	Asp	Ser	Leu
		50				55					60				
Ser	Phe	Val	Glu	Ile	Tyr	Ser	Ser	Met	Thr	Ala	Thr	Lys	Leu	Ile	Leu
65					70					75					80
Asp	Leu	Leu	Thr	Glu	Lys	Lys	Ser	Ile	Ser	Val	Trp	Gly	Cys	Met	Ile
				85					90					95	
Gln	Leu	Phe	Phe	Ile	His	Phe	Val	Gly	Ala	Ala	Glu	Ile	Phe	Leu	Leu
			100					105					110		
Thr	Met	Met	Ala	Tyr	Asp	Cys	Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu	His
		115					120					125			
Tyr	Thr	Ser	Ile	Met	Asn	Gln	Ser	Val	Cys	Ala	Val	Leu	Leu	Gly	Thr
	130					135					140				
Ala	Trp	Met	Gly	Gly	Phe	Val	His	Cys	Leu	Ala	Gln	Ile	Leu	Leu	Leu
145					150					155					160
Leu	Pro	Leu	Pro	Phe	Cys	Gly	Pro	Asn	Val	Ile	Asp	His	Tyr	Phe	Cys
				165					170					175	

Asp	Val	Phe	Pro	Val	Leu	Lys	Leu	Ala	Cys	Ser	Asp	Thr	Phe	Leu	Ile
			180					185					190		
Gly	Leu	Leu	Ile	Val	Ala	Asn	Gly	Gly	Thr	Leu	Ser	Val	Ile	Ser	Phe
		195					200					205			
Val	Val	Leu	Leu	Ala	Ser	Tyr	Val	Val	Ile	Phe	Phe	Tyr	Leu	Arg	Thr
	210					215					220				
Gln	Ser	Ala	Glu	Gly	Trp	Arg	Lys	Thr	Leu	Ala	Thr	Cys	Gly	Cys	His
225					230					235					240
Val	Thr	Val	Val	Ile	Leu	Phe	Phe	Gly	Pro	Cys	Val	Phe	Ile	Tyr	Leu
				245					250					255	
Arg	Pro	Ser	Asp	Thr	Leu	Pro	Val	Asp	Lys	Met	Ile	Ala	Val	Phe	Tyr
			260					265					270		
Thr	Val	Ile	Thr	Pro	Leu	Leu	Asn	Pro	Leu	Ile	Tyr	Ser	Leu	Arg	Asn
		275					280					285			
Ala	Glu	Val	Lys	Lys	Thr	Met	Lys	Cys	Leu	Trp	Phe	Arg	Thr	Met	Lys
	290					295					300				
Val	Asp	Glu	Lys												
305															

<210> 2100

<211> 307

<212> PRT

<213> Mus musculus

<400> 2100

Met	Asn	Tyr	Arg	Thr	Asn	Ile	Thr	Glu	Phe	Ile	Leu	Leu	Gly	Phe	Ser
1				5				10					15		
Gln	Thr	Lys	Glu	Ile	Glu	Val	Ile	Cys	Phe	Val	Leu	Phe	Leu	Leu	Cys
			20					25				30			
Tyr	Ile	Ala	Ile	Leu	Phe	Gly	Asn	Leu	Leu	Ile	Met	Ile	Ser	Val	Thr
	35						40				45				
Trp	Ser	His	Leu	Ile	Asn	Gln	Pro	Met	Tyr	Phe	Phe	Leu	Ser	Tyr	Leu
	50				55					60					
Ala	Leu	Ser	Asp	Leu	Cys	Tyr	Thr	Ser	Thr	Val	Thr	Pro	Lys	Leu	Ile
65					70				75						80
Ile	Asn	Leu	Val	Thr	Thr	Lys	Lys	Ser	Ile	Ser	Tyr	Asn	Gly	Cys	Met
			85					90					95		
Thr	Gln	Leu	Phe	Thr	Met	His	Phe	Phe	Gly	Gly	Ile	Glu	Val	Phe	Ile
		100						105				110			
Leu	Thr	Gly	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu
		115					120					125			
His	Tyr	Thr	Ile	Leu	Met	Ser	Arg	Gln	Lys	Cys	Asp	Ala	Val	Ile	Ala
	130					135					140				
Ala	Ser	Cys	Ala	Gly	Gly	Phe	Leu	His	Ser	Phe	Gly	Gln	Phe	Ile	Leu
145					150				155						160
Ala	Val	Phe	Leu	Pro	Tyr	Cys	Gly	Pro	Asn	Glu	Ile	Asp	His	Tyr	Phe
			165					170					175		
Cys	Asp	Val	Tyr	Pro	Leu	Leu	Lys	Leu	Ala	Cys	Thr	Asp	Thr	Arg	Lys
		180						185				190			
Ile	Gly	Phe	Leu	Val	Ile	Ala	Asn	Ser	Gly	Leu	Met	Gly	Leu	Val	Thr
		195					200					205			
Phe	Val	Val	Leu	Leu	Ile	Ser	Tyr	Gly	Val	Ile	Leu	Tyr	Thr	Val	Arg
	210					215					220				
Ser	Tyr	Ser	Ala	Glu	Asn	Arg	Arg	Lys	Ala	Leu	Ser	Thr	Cys	Ser	Ser
225					230					235					240
His	Ile	Thr	Val	Val	Val	Leu	Phe	Phe	Ala	Pro	Leu	Leu	Phe	Ile	Tyr
			245						250				255		
Ile	Arg	Pro	Ala	Thr	Thr	Leu	Pro	Glu	Asp	Lys	Val	Phe	Ala	Leu	Phe

<212> PRT

<213> Mus musculus

<400> 2102

```
His Pro Ser Leu Arg Leu Phe Leu Trp Ala Val Ser Leu Ser Leu Tyr
 1          5          10          15
Thr Val Ala Leu Met Gly Asn Met Val Ile Ile Ala Leu Ile Thr Ser
          20          25          30
Ser Thr Gly Leu His Ser Pro Met Tyr Phe Phe Leu Cys Asn Leu Ala
          35          40          45
Thr Met Asp Ile Ile Cys Thr Ser Ser Val Leu Pro Lys Ala Leu Val
          50          55          60
Gly Leu Leu Tyr Glu Glu Asn Thr Ile Ser Phe Lys Gly Cys Met Ala
65          70          75          80
Gln Leu Phe Phe Leu Leu Trp Ser Gly Ser Ser Glu Val Leu Leu Leu
          85          90          95
Thr Val Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Cys Pro Leu His
          100          105          110
Tyr Ser Ser Arg Met Ser Pro Gln Leu Cys Ala Ala Leu Ala Val Ala
          115          120          125
Val Trp Ser Ile Cys Ala Val Asn Ala Ser Val His Thr Gly Leu Met
          130          135          140
Thr Gln Leu Ser Phe Cys Gly Pro Lys Val Ile Thr His Phe Phe Cys
145          150          155          160
Glu Ile Pro Pro Leu Leu Leu Leu Ser Cys Ser Pro Thr Tyr Val Asn
          165          170          175
Ser Val Met Thr Leu Val Ala Asp Ala Phe Tyr Gly Gly Ile Asn Phe
          180          185          190
Leu Leu Thr Leu Leu Ser Tyr Gly Cys Ile Ile Ala Ser Ile Leu His
          195          200          205
Met Arg Ser Ala Glu Gly Lys Arg Lys Ala Phe Ser Thr Cys Ser Ser
          210          215          220
His Leu Ile Val Val Ser Val Tyr Tyr Ser Ser Leu Phe Cys Ala Tyr
225          230          235          240
Ile Ser Pro Ala Ser Ser Tyr Ser Pro Glu Arg Ser Lys Phe
          245          250
```

<210> 2103

<211> 208

<212> PRT

<213> Mus musculus

<400> 2103

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Ser Ser Phe Phe Leu Trp Ser Gly Ser Ser Glu Leu Leu Leu Thr
 1          5          10          15
Val Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Cys Pro Leu His Tyr
          20          25          30
Ser Ser Arg Met Ser Pro Gln Leu Cys Ala Ala Leu Val Val Ala Val
          35          40          45
Trp Ser Ile Cys Ala Val Asn Ala Ser Val His Thr Gly Leu Met Thr
          50          55          60
Gln Leu Ser Phe Cys Gly Pro Lys Val Ile Thr His Phe Phe Cys Glu
65          70          75          80
Ile Pro Pro Leu Leu Leu Ser Cys Ser Ser Thr Tyr Val Asn Ser
          85          90          95
Val Met Thr Leu Val Ala Asp Ala Phe Tyr Gly Gly Ile Asn Phe Leu
          100          105          110
Leu Thr Leu Leu Ser Tyr Gly Cys Ile Ile Ala Ser Ile Leu His Met
```


<210> 2105
 <211> 314
 <212> PRT
 <213> Mus musculus

<400> 2105
 Met Ser Asn Tyr Thr Gly Gln Ser Tyr Phe Thr Leu Val Gly Leu Phe
 1 5 10 15
 Ser Gln Ser Lys His Pro Ala Leu Leu Ala Val Val Ile Phe Val Val
 20 25 30
 Phe Leu Met Ser Leu Ser Gly Asn Ala Leu Leu Ile Leu Leu Ile Leu
 35 40 45
 Ser Asp Thr His Leu His Thr Pro Met Tyr Phe Phe Ile Ser Gln Leu
 50 55 60
 Ser Leu Met Asp Met Met Tyr Ile Ser Val Thr Val Pro Lys Met Leu
 65 70 75 80
 Met Asp Arg Ile Leu Gly Asn His Lys Val Ser Gln Ala Ala Ala Cys
 85 90 95
 Gly Met Gln Met Phe Leu Tyr Met Ser Leu Gly Gly Ser Glu Phe Leu
 100 105 110
 Leu Leu Ala Ala Met Ser Tyr Asp Arg Tyr Val Ala Ile Cys His Pro
 115 120 125
 Leu Arg Tyr Pro Val Leu Met Asn His Arg Val Cys Leu Leu Leu Ile
 130 135 140
 Ser Thr Cys Trp Ile Leu Gly Ser Leu Asp Gly Phe Met Phe Thr Pro
 145 150 155 160
 Val Thr Met Thr Phe Pro Phe Cys Gly Ser Arg Glu Ile His His Phe
 165 170 175
 Phe Cys Glu Ala Pro Ala Val Thr Lys Leu Ser Cys Ser Asp Thr Trp
 180 185 190
 Leu Tyr Glu Thr Leu Met Tyr Val Cys Cys Val Leu Met Ile Leu Ile
 195 200 205
 Pro Val Thr Val Ile Ser Gly Ser Tyr Thr Ser Ile Leu Leu Thr Val
 210 215 220
 Leu Arg Met Asn Ser Ala Glu Gly Arg Lys Lys Ala Leu Ala Thr Cys
 225 230 235 240
 Ser Ser His Met Thr Val Val Thr Leu Phe Tyr Gly Ala Ala Ile Tyr
 245 250 255
 Thr Tyr Ile Phe Pro Val Ser Leu His Ser Pro Glu Lys Asp Met Val
 260 265 270
 Val Ser Val Phe Tyr Thr Ile Leu Thr Pro Leu Leu Asn Pro Leu Ile
 275 280 285
 Tyr Ser Leu Arg Asn Lys Asn Val Thr Glu Gly Tyr Glu Glu Thr Val
 290 295 300
 Gly Tyr Lys Thr Pro Leu Ser Gln Lys Gln
 305 310

<210> 2106
 <211> 208
 <212> PRT
 <213> Mus musculus

<400> 2106
 Met Glu Ser Gly Asn Ser Thr Arg Arg Ile Pro Ser Phe Phe Leu Leu
 1 5 10 15
 Gly Phe Ser Glu Asn Pro His Leu Gln Phe Leu Ile Phe Val Leu Phe

<210> 2108
 <211> 308
 <212> PRT
 <213> Mus musculus

<400> 2108
 Met Met Asn Phe Ser Ile Val Ser Glu Phe Met Ile Leu Gly Leu Thr
 1 5 10 15
 Gln Lys Ser Glu Leu Gln Gly Ile Leu Phe Ile Val Phe Leu Phe Ile
 20 25 30
 Tyr Leu Val Ala Leu Leu Gly Asn Met Leu Ile Val Val Ala Ile Ile
 35 40 45
 Tyr Asn Thr Thr Leu His Thr Pro Met Tyr Ile Leu Leu Ala Leu
 50 55 60
 Ala Val Val Asp Ile Ile Cys Thr Thr Ser Ile Ile Pro Lys Met Leu
 65 70 75 80
 Gly Thr Met Leu Thr Ser Lys Asn Ser Ile Ser Tyr Gly Gly Cys Met
 85 90 95
 Ser Gln Leu Phe Phe Phe Thr Trp Ser Leu Gly Ala Glu Met Val Leu
 100 105 110
 Phe Thr Thr Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Phe Pro Leu
 115 120 125
 Arg Tyr Ser Thr Ile Met Asn His Tyr Thr Cys Val Gly Leu Leu Ser
 130 135 140
 Ile Val Met Ala Ile Ala Val Thr Asn Ser Trp Val His Thr Gly Leu
 145 150 155 160
 Ile Leu Arg Leu Thr Phe Cys Gly Pro Asn Ile Ile Asp His Phe Phe
 165 170 175
 Cys Glu Ile Pro Pro Leu Leu Ala Leu Ser Cys Ser Pro Val Arg Val
 180 185 190
 Asn Glu Val Met Val Tyr Val Ala Asp Ile Thr Leu Ala Val Gly Asp
 195 200 205
 Phe Thr Leu Thr Cys Ile Ser Tyr Gly Phe Ile Ile Ala Ala Ile Leu
 210 215 220
 Arg Ile Arg Thr Thr Glu Gly Lys Lys Lys Ala Phe Ser Thr Cys Ser
 225 230 235 240
 Ser His Leu Met Val Val Ser Leu Tyr Tyr Ser Pro Val Ile Tyr Thr
 245 250 255
 Tyr Ile Arg Pro Ala Ser Ser Tyr Thr Phe Asp Lys Asp Lys Val Val
 260 265 270
 Ala Ala Leu Tyr Thr Leu Val Thr Pro Thr Leu Asn Pro Ile Val Tyr
 275 280 285
 Ser Phe Arg Asn Lys Glu Met Gln Ser Gly Ile Lys Lys Val Phe Ala
 290 295 300
 Phe Leu Lys Gly
 305

<210> 2109
 <211> 318
 <212> PRT
 <213> Mus musculus

<400> 2109
 Met Asp Val Ser Asn Gln Thr Thr Val Thr Glu Phe Val Leu Leu Gly
 1 5 10 15
 Leu Ser Ala His Pro Lys Leu Glu Lys Thr Phe Phe Val Leu Ile Leu

Leu	Ala	Ala	Met	Ala	Tyr	Asp	His	Tyr	Val	Ala	Ile	Cys	Asn	Pro	Leu
	115					120					125				
Leu	Tyr	Asn	Val	Thr	Met	Ser	Tyr	Gln	Ile	Tyr	Ser	Ser	Leu	Ile	Ser
	130					135					140				
Gly	Val	Tyr	Ile	Phe	Ala	Val	Phe	Cys	Ser	Ser	Leu	Asn	Thr	Gly	Leu
145				150					155						160
Met	Phe	Arg	Thr	Gln	Phe	Cys	Asn	Leu	Asp	Val	Ile	Asn	His	Tyr	Phe
			165						170					175	
Cys	Asp	Leu	Pro	Leu	Leu	Lys	Leu	Ala	Ser	Ser	Asn	Thr	Tyr	Thr	Asn
		180						185					190		
Glu	Ile	Leu	Ile	Leu	Phe	Phe	Ala	Thr	Leu	Asn	Val	Phe	Val	Thr	Val
	195						200					205			
Leu	Thr	Ile	Ile	Thr	Ser	Tyr	Ile	Phe	Ile	Ile	Ala	Thr	Ile	Arg	Cys
	210					215					220				
Ile	His	Ser	Arg	Glu	Gly	Lys	Phe	Lys	Ala	Phe	Ser	Thr	Cys	Ser	Ser
225				230					235						240
His	Ile	Ser	Ala	Val	Ala	Ile	Phe	Tyr	Gly	Ser	Gly	Ala	Phe	Thr	Tyr
			245						250					255	
Leu	Gln	Pro	Ser	Ser	Leu	Asn	Ser	Met	Gly	Gln	Ala	Lys	Val	Ser	Ser
		260						265					270		
Val	Phe	Tyr	Thr	Thr	Val	Val	Pro	Met	Leu	Asn	Pro	Leu	Ile	Tyr	Ser
	275						280					285			
Leu	Arg	Asn	Lys	Asp	Val	Ser	Ile	Ala	Leu	Lys	Lys	Ile	Leu	Gln	Arg
	290					295					300				
Lys	Lys	Asn	His	Val											
305															

<210> 2111

<211> 320

<212> PRT

<213> Mus musculus

<400> 2111

Met	Leu	Tyr	Pro	Ser	Ser	Met	Ser	Glu	Ile	Thr	Asn	Phe	Thr	His	Asp
1				5				10						15	
Pro	Phe	Tyr	Phe	Ile	Leu	Thr	Gly	Ile	Pro	Gly	Phe	Glu	Asp	Ile	His
			20					25					30		
Leu	Trp	Ile	Ser	Ile	Pro	Phe	Cys	Leu	Tyr	Thr	Ile	Ser	Ile	Met	Gly
	35						40					45			
Asn	Thr	Thr	Ile	Leu	Thr	Val	Ile	Cys	Thr	Glu	Pro	Ser	Leu	His	Gln
	50					55					60				
Pro	His	Tyr	Leu	Phe	Leu	Ser	Met	Leu	Ala	Leu	Thr	Asp	Leu	Gly	Leu
65					70				75					80	
Ala	Leu	Thr	Thr	Leu	Pro	Thr	Ile	Met	His	Leu	Leu	Trp	Phe	Asn	Ile
			85						90					95	
Arg	Glu	Ile	Ser	Phe	Glu	Ala	Cys	Phe	Ala	Gln	Phe	Phe	Phe	Leu	His
			100					105					110		
Gly	Phe	Ser	Phe	Met	Glu	Ser	Ser	Val	Leu	Leu	Ala	Met	Ser	Phe	Asp
	115						120					125			
Arg	Tyr	Val	Ala	Ile	Cys	Cys	Pro	Leu	His	Tyr	Ala	Ser	Ile	Leu	Thr
	130					135					140				
Ser	Glu	Val	Ile	Ala	Arg	Ile	Gly	Leu	Ala	Ile	Ile	Cys	Arg	Cys	Val
145					150					155					160
Leu	Ala	Val	Leu	Pro	Phe	Leu	Phe	Leu	Leu	Lys	Arg	Leu	Ser	Phe	Cys
			165						170					175	
His	Ser	His	Leu	Leu	Ser	His	Ser	Tyr	Cys	Leu	His	Gln	Asp	Met	Ile
			180					185					190		
His	Leu	Val	Cys	Thr	Asp	Ile	Arg	Val	Asn	Ser	Trp	Tyr	Ala	Phe	Ala

Gly	Leu	Arg	Asn	Lys	Glu	Val	Lys	Ser	Ala	Phe	Ile	Lys	Thr	Phe	Gln
290						295					300				
Val	Ala	Lys													
305															

<210> 2113
 <211> 319
 <212> PRT
 <213> Mus musculus

<400> 2113															
Met	Asn	His	Ser	Ser	Val	Ile	Asp	Phe	Ile	Leu	Glu	Gly	Leu	Thr	Lys
1				5					10					15	
Arg	Pro	Glu	Leu	Gln	Leu	Pro	Leu	Phe	Leu	Leu	Phe	Leu	Ala	Ile	Tyr
			20					25					30		
Val	Ile	Thr	Val	Val	Gly	Asn	Leu	Gly	Met	Ile	Leu	Leu	Ile	Thr	Ile
		35				40						45			
Ser	Ser	Gln	Leu	His	Ser	Pro	Met	Tyr	Tyr	Phe	Leu	Ser	Xaa	Xaa	Xaa
	50					55					60				
Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Pro	Xaa	Xaa	Xaa	Xaa
65					70					75					80
Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa
				85					90					95	
Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa
				100				105						110	
Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Leu	Leu	Leu	Gln	Lys	Gly	Tyr	Leu
		115					120					125			
Leu	Thr	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Ser	Pro	Leu
	130					135						140			
Leu	Tyr	Asn	Ile	Val	Met	Ser	His	Lys	Val	Cys	Ser	Ile	Met	Met	Ala
145					150					155					160
Val	Val	Tyr	Ser	Leu	Gly	Phe	Phe	Gly	Ala	Thr	Val	His	Thr	Thr	Arg
				165					170					175	
Met	Thr	Met	Leu	Ser	Phe	Cys	Gly	Ser	His	Ile	Val	Ser	His	Tyr	Phe
			180					185					190		
Cys	Asp	Ile	Leu	Pro	Leu	Leu	Thr	Leu	Ser	Cys	Ser	Ser	Thr	His	Ile
	195						200					205			
Asn	Glu	Val	Leu	Leu	Phe	Ile	Ile	Gly	Gly	Val	Asn	Thr	Leu	Ala	Pro
	210					215						220			
Thr	Leu	Ala	Phe	Ile	Leu	Thr	Ser	Ile	Leu	Arg	Ile	Arg	Ser	Asn	Glu
225					230					235					240
Gly	Arg	Ser	Lys	Ala	Phe	Gly	Thr	Cys	Ser	Ser	His	Ile	Met	Ala	Val
			245						250					255	
Gly	Ile	Phe	Phe	Gly	Ser	Ile	Thr	Phe	Met	Tyr	Phe	Lys	Pro	Pro	Ser
		260						265					270		
Ser	Asn	Asn	Met	Glu	Gln	Glu	Lys	Val	Ser	Ser	Val	Phe	Tyr	Thr	Thr
	275						280					285			
Val	Ile	Pro	Met	Leu	Asn	Pro	Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp
	290					295						300			
Val	Lys	Asn	Ala	Leu	Lys	Lys	Met	Val	Gly	Gly	Arg	Gln	Leu	Ser	
305					310					315					

<210> 2114
 <211> 335
 <212> PRT
 <213> Mus musculus

<220>
 <221> VARIANT
 <222> (102)...(108)
 <223> Any amino acid

<400> 2114

Lys	Phe	Thr	Thr	Ser	Thr	Asp	Glu	Val	Leu	Phe	Lys	Arg	Glu	Lys	Leu
1				5					10					15	
Asn	Ala	Ser	Thr	Leu	Met	Glu	Phe	Ile	Leu	Leu	Gly	Phe	Ser	Asn	Val
			20					25					30		
Pro	His	Leu	Gln	Trp	Val	Leu	Phe	Met	Val	Phe	Leu	Phe	Met	Tyr	Met
		35					40					45			
Thr	Ile	Leu	Leu	Cys	Asn	Ser	Ile	Ile	Ile	Val	Leu	Ala	Lys	Thr	Asp
	50					55					60				
Pro	Ala	Leu	Gln	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser	Asn	Phe	Ser	Phe
65					70					75					80
Leu	Glu	Ile	Cys	Tyr	Val	Thr	Ala	Thr	Ile	Pro	Arg	Met	Leu	Met	Asp
			85						90					95	
Leu	Tyr	Thr	Lys	Glu	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Glu	Thr	Phe	Leu
			100					105						110	
Cys	Leu	Pro	Val	Gln	His	Lys	Met	Tyr	Phe	Val	Leu	Thr	Leu	Gly	Gly
		115					120					125			
Thr	Glu	Cys	Leu	Leu	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala
	130					135					140				
Ile	Cys	His	Pro	Leu	Gln	Tyr	Ser	Leu	Leu	Met	Lys	Asn	Lys	Val	Cys
145					150					155					160
Leu	Gln	Leu	Val	Ala	Ala	Ser	Trp	Ile	Ser	Gly	Ile	Pro	Val	Glu	Ile
			165						170					175	
Gly	Gln	Thr	Tyr	Gln	Ile	Phe	Ser	Leu	His	Phe	Cys	Ala	Ser	Asn	Arg
		180					185						190		
Ile	Asp	His	Phe	Phe	Cys	Asp	Ile	Pro	Pro	Leu	Leu	Lys	Leu	Ala	Cys
	195						200					205			
Gly	Asp	Thr	Phe	Met	Asn	Thr	Val	Ala	Val	Tyr	Val	Val	Ala	Val	Leu
	210					215					220				
Phe	Val	Met	Val	Pro	Phe	Leu	Leu	Ile	Ile	Val	Ser	Tyr	Ile	Lys	Ile
225					230					235					240
Ile	Cys	Asn	Ile	Met	Lys	Leu	Ser	Ser	Ala	Lys	Gly	Met	Ala	Lys	Ala
			245						250					255	
Phe	Ser	Thr	Cys	Ser	Ser	His	Leu	Ile	Val	Val	Ile	Leu	Phe	Tyr	Gly
		260						265					270		
Thr	Ala	Ser	Ile	Thr	Tyr	Leu	Gln	Pro	Lys	Gln	Ser	Gln	Ser	Glu	Gly
		275					280					285			
Met	Gly	Lys	Met	Leu	Ser	Leu	Phe	Tyr	Thr	Ile	Leu	Ile	Pro	Ala	Leu
	290					295					300				
Asn	Pro	Ile	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Ile	Met	Met	Ala	Leu
305					310					315					320
Arg	Lys	Leu	His	Ser	Lys	Leu	Leu	Ile	Trp	Trp	Glu	Asn	Leu	Lys	
			325						330				335		

<210> 2115
 <211> 309
 <212> PRT
 <213> Mus musculus

<400> 2115

Met	Ser	Asn	Leu	Ser	Thr	Ser	Arg	Phe	Val	Leu	Thr	Gly	Phe	Pro	Gly
1				5					10					15	
Leu	Glu	Val	Tyr	Tyr	Phe	Phe	Phe	Ala	Ile	Pro	Phe	Ser	Thr	Ile	Tyr

Phe	Val	Asn	Ile	Asn	Phe	Lys	Pro	Tyr	Val	Ser	Val	Cys	Lys	Arg	Asn
		115					120					125			
Leu	Phe	Leu	Arg	Asn											
		130													

<210> 2117
 <211> 230
 <212> PRT
 <213> Mus musculus

<400> 2117

Gln	Val	Leu	Leu	Ile	Phe	Trp	Phe	Asn	Met	Lys	Pro	Ile	Ser	Phe	Val
1				5					10					15	
Gly	Cys	Phe	Leu	Gln	Met	Phe	Val	Met	Asn	Thr	Phe	Leu	Pro	Met	Glu
			20					25				30			
Ser	Ser	Thr	Phe	Leu	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys
		35					40					45			
His	Pro	Leu	Arg	Tyr	Pro	Ser	Ile	Ile	Thr	Glu	Gln	Phe	Val	Ile	Asn
	50					55				60					
Ala	Ala	Ile	Phe	Ile	Val	Ala	Arg	Asn	Leu	Leu	Ala	Thr	Leu	Pro	Thr
65					70					75					80
Pro	Val	Leu	Ala	Ala	Arg	Leu	Asn	Tyr	Cys	Ala	Ser	Asn	Val	Val	Glu
				85					90				95		
Asn	Cys	Ile	Cys	Ala	Asn	Ile	Ser	Val	Ala	Lys	Leu	Ser	Cys	Gly	Asp
			100					105					110		
Ile	Arg	Leu	Asn	Lys	Leu	Tyr	Gln	Phe	Val	Ser	Val	Trp	Cys	Leu	Leu
		115					120					125			
Gly	Ser	Asp	Leu	Val	Leu	Ile	Leu	Leu	Ser	Tyr	Cys	Phe	Ile	Leu	Arg
	130					135					140				
Val	Val	Met	Cys	Gln	Gln	Ser	Gly	Gly	Thr	Val	Thr	Lys	Ala	Leu	Ser
145					150					155					160
Thr	Cys	Gly	Ser	His	Leu	Ile	Leu	Ile	Leu	Phe	Phe	Ser	Thr	Leu	Leu
				165					170					175	
Leu	Val	Phe	Ile	Phe	Thr	Asn	Lys	Ala	Gly	Lys	Lys	Ile	Pro	Ser	Glu
			180					185					190		
Val	Pro	Ile	Leu	Leu	Asn	Val	Leu	His	His	Leu	Ile	Pro	Pro	Ala	Leu
	195					200						205			
Asn	Pro	Ile	Val	Tyr	Gly	Val	Arg	Thr	Gln	Glu	Ile	Lys	Gln	Gly	Ile
	210					215						220			
Ile	Lys	Leu	Phe	Lys	His										
225					230										

<210> 2118
 <211> 312
 <212> PRT
 <213> Mus musculus

<400> 2118

Met	Ile	Lys	Asn	Asn	Gln	Thr	Leu	Phe	Ser	Gln	Phe	Leu	Leu	Leu	Gly
1				5					10					15	
Leu	Pro	Ile	Pro	Ala	Glu	His	Gln	Gln	Leu	Phe	Phe	Ala	Leu	Phe	Leu
			20					25					30		
Leu	Met	Tyr	Leu	Thr	Thr	Ile	Leu	Gly	Asn	Leu	Ile	Ile	Ile	Ile	Leu
		35					40					45			
Ile	Arg	Leu	Asp	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Leu	Phe	Leu	Ser
	50					55					60				
Asn	Leu	Ser	Phe	Ser	Asp	Leu	Cys	Phe	Ser	Ser	Val	Thr	Met	Pro	Lys

65					70					75					80
Leu	Leu	Gln	Asn	Met	Gln	Ser	Gln	Asp	Thr	Ser	Ile	Thr	Tyr	Ala	Gly
				85					90					95	
Cys	Leu	Thr	Gln	Met	Tyr	Phe	Phe	Val	Ile	Leu	Phe	Gly	Gly	Leu	Glu
			100					105					110		
Ile	Phe	Leu	Leu	Val	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Ala	Ala	Ile	Cys
		115					120					125			
Leu	Pro	Leu	His	Tyr	Thr	Ser	Ile	Met	Ser	Leu	Lys	Phe	Cys	Val	Cys
	130					135					140				
Ala	Val	Leu	Ile	Ser	Trp	Val	Phe	Asn	Leu	Leu	Tyr	Ser	Met	Leu	His
145					150					155					160
Thr	Leu	Leu	Leu	Ala	Arg	Leu	Ser	Phe	Cys	Glu	Asp	Asn	Ile	Ile	Cys
				165					170					175	
His	Phe	Phe	Cys	Asp	Met	Ser	Ala	Leu	Leu	Lys	Leu	Ala	Cys	Ser	Asp
			180					185					190		
Ile	Tyr	Ile	Asn	Glu	Leu	Met	Ile	Phe	Ile	Leu	Gly	Gly	Pro	Leu	Val
		195					200					205			
Val	Ile	Pro	Phe	Leu	Leu	Ile	Val	Val	Ser	Tyr	Val	Gln	Ile	Ile	Phe
	210					215					220				
Ser	Ile	Leu	Lys	Ala	Ser	Ser	Thr	Arg	Ala	Ile	Tyr	Lys	Val	Phe	Ser
225					230					235					240
Thr	Cys	Gly	Ser	Tyr	Leu	Thr	Val	Val	Ser	Leu	Phe	Tyr	Gly	Thr	Val
				245					250					255	
Ile	Gly	Leu	Tyr	Phe	Cys	Pro	Ser	Glu	Asn	Asn	Phe	Thr	Ala	Lys	Glu
			260					265					270		
Ala	Ser	Ile	Thr	Met	Met	Tyr	Thr	Val	Val	Thr	Pro	Met	Leu	Asn	Pro
		275					280					285			
Phe	Ile	Tyr	Ser	Leu	Arg	Asn	Arg	Asp	Ile	Lys	Glu	Ala	Leu	Ile	Lys
	290					295					300				
Val	Leu	Ile	Lys	Lys	Ile	Pro	Leu								
305					310										

<210> 2119

<211> 314

<212> PRT

<213> Mus musculus

<400> 2119

Met	Ile	Met	Asn	Asn	Gln	Thr	Ala	Ile	Phe	Gln	Phe	Leu	Leu	Leu	Gly
1				5					10					15	
Leu	Pro	Ile	Pro	Pro	Asp	Tyr	Gln	His	Leu	Phe	Tyr	Ala	Leu	Phe	Leu
			20					25					30		
Val	Met	Tyr	Leu	Thr	Thr	Val	Leu	Gly	Asn	Leu	Ile	Ile	Ile	Ile	Leu
		35				40						45			
Ile	His	Leu	Asp	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Leu	Phe	Leu	Ser
	50					55					60				
Asn	Leu	Ser	Phe	Ser	Asp	Leu	Cys	Phe	Ser	Ser	Val	Thr	Met	Pro	Lys
65					70					75					80
Leu	Leu	Gln	Asp	Met	Gln	Ser	Gln	Val	Pro	Ser	Ile	Ser	Tyr	Gly	Ala
			85					90						95	
Cys	Leu	Thr	Gln	Ile	Tyr	Phe	Phe	Leu	Val	Phe	Gly	Asn	Met	Glu	Ser
			100					105					110		
Phe	Leu	Leu	Val	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Phe
		115					120					125			
Pro	Leu	His	Tyr	Thr	Ser	Ile	Met	Ser	Leu	Lys	Leu	Cys	Thr	Cys	Leu
	130					135					140				
Met	Leu	Leu	Ser	Trp	Met	Leu	Thr	Thr	Ser	His	Ala	Met	Met	His	Thr
145					150					155					160

Leu	Leu	Ala	Ala	Arg	Leu	Ser	Phe	Cys	Glu	Asn	Asn	Val	Val	Leu	Asn
				165					170					175	
Phe	Phe	Cys	Asp	Leu	Phe	Ala	Leu	Leu	Lys	Leu	Ala	Cys	Ser	Asp	Thr
			180					185					190		
Tyr	Val	Asn	Glu	Leu	Met	Ile	Phe	Leu	Val	Ser	Gly	Leu	Leu	Val	Val
		195					200					205			
Ile	Pro	Phe	Leu	Leu	Ile	Val	Ile	Ser	Tyr	Ala	Lys	Ile	Val	Ser	Ser
	210					215					220				
Ile	Leu	Arg	Val	Pro	Ser	Thr	Lys	Gly	Ile	Tyr	Lys	Val	Phe	Ser	Thr
225					230					235					240
Cys	Arg	Ser	His	Leu	Ser	Val	Val	Ser	Leu	Phe	Tyr	Gly	Thr	Ile	Ile
			245						250					255	
Gly	Leu	Tyr	Leu	Cys	Pro	Ser	Gly	Asn	Asn	Ser	Thr	Leu	Lys	Glu	Asn
			260					265					270		
Val	Met	Ala	Met	Met	Tyr	Thr	Val	Val	Thr	Pro	Met	Leu	Asn	Pro	Phe
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Arg	Asp	Met	Lys	Gly	Ala	Leu	Val	Arg	Val
	290					295					300				
Val	Cys	Asn	Lys	Lys	Ile	Ser	Leu	Lys	Trp						
305					310										

<210> 2120

<211> 318

<212> PRT

<213> Mus musculus

<400> 2120

Met	Glu	Leu	Lys	Asn	Gln	Thr	Ala	Val	Ser	Glu	Phe	His	Leu	Leu	Gly
1				5					10					15	
Leu	Thr	Asp	Asn	His	Arg	Met	Leu	Pro	Leu	Val	Phe	Ile	Met	Phe	Leu
			20					25					30		
Phe	Met	Tyr	Leu	Ile	Thr	Val	Phe	Gly	Asn	Leu	Ile	Ile	Ile	Met	Ala
		35					40					45			
Ile	Ser	Ser	Gly	Ser	Gln	Leu	His	Thr	Pro	Met	Tyr	Leu	Phe	Leu	Ser
	50					55					60				
Ile	Leu	Ser	Ile	Asn	Asp	Ile	Cys	Tyr	Ser	Thr	Val	Thr	Ile	Pro	Lys
65					70					75					80
Met	Leu	Val	Asn	Ile	Gln	Ala	His	Asp	Asp	Ser	Ile	Ser	Tyr	Ile	Glu
			85						90					95	
Cys	Leu	Ser	Gln	Ile	Cys	Phe	Val	Ser	Ile	Phe	Gly	Gly	Met	Glu	Asn
			100					105					110		
Cys	Phe	Ser	Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys
		115					120					125			
Lys	Pro	Leu	Arg	Tyr	Thr	Val	Ile	Met	Asn	Pro	Ile	Cys	Cys	Val	Leu
	130					135					140				
Met	Val	Leu	Phe	Ser	Leu	Phe	Phe	Ser	Ile	Met	Asp	Ala	Leu	Leu	His
145					150					155					160
Ser	Leu	Met	Val	Leu	Arg	Leu	Ser	Phe	Cys	Thr	Asp	Leu	Glu	Ile	Pro
			165						170					175	
His	Phe	Phe	Cys	Glu	Leu	Ala	Gln	Ile	Ile	Lys	Leu	Ala	Cys	Ser	Asp
			180					185					190		
Thr	Phe	Leu	Asn	Asn	Phe	Leu	Ile	Phe	Val	Ala	Ala	Phe	Val	Phe	Gly
		195					200					205			
Gly	Gly	Pro	Val	Cys	Gly	Ile	Ile	Phe	Ser	Tyr	Ile	Tyr	Ile	Val	Ser
	210					215					220				
Ser	Val	Leu	Arg	Met	Pro	Ser	Ser	Gly	Gly	Lys	His	Arg	Ala	Phe	Ser
225					230					235					240
Thr	Cys	Ala	Ser	His	Leu	Ser	Val	Val	Ser	Leu	Phe	Tyr	Gly	Thr	Gly

<210> 2122
 <211> 313
 <212> PRT
 <213> Mus musculus

<400> 2122

Met	Val	Met	Asn	Asn	Gln	Thr	Val	Ile	Ser	Gln	Leu	Leu	Leu	Leu	Gly
1				5					10					15	
Leu	His	Ile	Pro	Pro	Asp	His	Gln	His	Gly	Phe	Tyr	Thr	Leu	Phe	Leu
			20				25						30		
Ala	Met	Tyr	Leu	Thr	Thr	Ile	Leu	Gly	Asn	Leu	Ile	Ile	Ile	Thr	Leu
		35				40						45			
Ile	Ile	Leu	Asp	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Leu	Phe	Leu	Ile
	50					55					60				
Asn	Leu	Ser	Phe	Ser	Asp	Leu	Cys	Phe	Ser	Ser	Val	Thr	Val	Pro	Lys
65					70					75					80
Leu	Leu	Gln	Asn	Met	Gln	Ser	Gln	Asp	Thr	Ser	Ile	Ser	Tyr	Ala	Gly
				85					90					95	
Cys	Leu	Thr	Gln	Met	Tyr	Phe	Leu	Met	Val	Phe	Gly	Asp	Met	Glu	Ser
			100					105					110		
Phe	Leu	Leu	Val	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Phe
		115					120					125			
Pro	Leu	His	Tyr	Thr	Ser	Thr	Met	Ser	Pro	Thr	Val	Leu	Cys	Val	Cys
		130				135					140				
Val	Val	Leu	Leu	Ser	Trp	Val	Phe	Thr	Ile	Met	Tyr	Ser	Met	Val	His
145					150					155					160
Thr	Leu	Leu	Leu	Ser	Arg	Leu	Ser	Phe	Cys	Glu	Asp	Asn	Val	Ile	Pro
				165					170					175	
His	Phe	Phe	Cys	Asp	Leu	Ser	Ala	Leu	Leu	Lys	Leu	Ala	Cys	Ser	Asp
			180					185					190		
Ile	Phe	Ile	Asn	Glu	Leu	Met	Ile	Phe	Ile	Leu	Gly	Gly	Pro	Val	Val
		195					200					205			
Ala	Ile	Pro	Phe	Leu	Leu	Ile	Val	Val	Ser	Tyr	Val	Arg	Ile	Val	Ser
		210				215					220				
Ser	Ile	Leu	Lys	Val	Ser	Ser	Ser	Gln	Gly	Ile	His	Lys	Ile	Phe	Ser
225					230					235					240
Thr	Cys	Gly	Ser	His	Leu	Ser	Val	Val	Ser	Leu	Phe	Tyr	Gly	Thr	Ile
				245					250					255	
Ile	Gly	Leu	Tyr	Leu	Cys	Pro	Ser	Ala	Asn	Asn	Ser	Thr	Val	Lys	Lys
			260					265					270		
Ile	Ala	Met	Ala	Met	Met	Tyr	Thr	Val	Val	Thr	Pro	Met	Leu	Asn	Pro
		275					280					285			
Phe	Ile	Tyr	Ser	Leu	Arg	Asn	Arg	Asp	Met	Lys	Glu	Ala	Leu	Ile	Arg
		290				295					300				
Val	Leu	Cys	Lys	Lys	Lys	Ile	Ser	Leu							
305					310										

<210> 2123
 <211> 323
 <212> PRT
 <213> Mus musculus

<400> 2123

Met	Ala	Arg	Gly	Asn	Gln	Thr	Ser	Thr	Phe	Glu	Phe	Leu	Leu	Trp	Gly
1				5					10					15	
Leu	Ser	Glu	Gln	Pro	Gln	Gln	Gln	His	Ile	Leu	Phe	Leu	Ile	Phe	Leu
			20					25					30		
Gly	Met	Tyr	Leu	Val	Thr	Val	Ala	Gly	Asn	Leu	Leu	Ile	Val	Leu	Ala

Leu	Leu	Leu	Ala	Phe	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	His
		115						120				125			
Pro	Leu	Asn	Tyr	Met	Ile	Phe	Met	Arg	Pro	Ser	Ile	Cys	Trp	Leu	Gly
	130					135					140				
Val	Ala	Thr	Ser	Trp	Ile	Leu	Gly	Leu	Leu	Ser	Ala	Leu	Gly	Tyr	Thr
145					150					155					160
Ile	His	Thr	Met	Gln	Tyr	Pro	Phe	Cys	Lys	Ser	Arg	Lys	Ile	Arg	Asp
			165						170					175	
Leu	Tyr	Cys	Glu	Ile	Pro	Pro	Leu	Leu	Lys	Leu	Ala	Cys	Ala	Asp	Thr
			180					185					190		
Ser	Lys	Tyr	Glu	Leu	Met	Val	Tyr	Val	Met	Gly	Val	Ala	Phe	Leu	Ile
		195					200					205			
Pro	Pro	Leu	Ala	Ala	Ile	Leu	Ala	Ser	Tyr	Ile	Leu	Ile	Leu	Phe	Thr
	210					215						220			
Val	Leu	Asn	Lys	Pro	Ser	Asn	Glu	Gly	Arg	Lys	Lys	Ala	Leu	Val	Thr
225					230					235					240
Cys	Phe	Ser	His	Leu	Thr	Val	Val	Gly	Leu	Tyr	Tyr	Gly	Ala	Leu	Thr
			245					250						255	
Val	Met	Tyr	Val	Leu	Pro	Ser	Ser	Tyr	Leu	Ser	Pro	Lys	Gln	Glu	Asn
			260					265					270		
Leu	Leu	Ser	Val	Phe	Tyr	Thr	Val	Val	Thr	Pro	Ala	Leu	Asn	Pro	Leu
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Thr	Gly	Ala	Leu	Arg	Arg	Val
	290					295					300				
Leu	Gly	Lys	Trp	Phe	Leu	Pro	Thr	Gln	Ser	Thr	Phe				
305					310					315					

<210> 2125

<211> 314

<212> PRT

<213> Mus musculus

<400> 2125

Met	Asn	Asn	Tyr	Thr	Thr	Gln	Ser	Asp	Phe	Thr	Leu	Val	Gly	Phe	Phe
1				5					10					15	
Ser	Gln	Ser	Lys	His	Pro	Ala	Leu	Leu	Ala	Val	Val	Ile	Phe	Val	Leu
		20						25					30		
Phe	Leu	Met	Ala	Leu	Ser	Gly	Asn	Ala	Leu	Leu	Ile	Leu	Leu	Ile	Leu
		35				40					45				
Ser	Asp	Ile	His	Leu	His	Ile	Pro	Met	Tyr	Phe	Phe	Ile	Ser	Gln	Leu
	50					55					60				
Ser	Leu	Met	Asp	Met	Met	Tyr	Ile	Ser	Val	Thr	Val	Pro	Lys	Met	Leu
65					70					75					80
Met	Asp	Gln	Val	Leu	Gly	Ser	His	Lys	Ile	Ser	Ala	Ala	Ala	Cys	Gly
			85						90					95	
Met	Gln	Met	Phe	Leu	Tyr	Val	Thr	Leu	Ala	Gly	Ser	Glu	Cys	Phe	Leu
			100					105					110		
Leu	Ala	Ala	Met	Ser	Tyr	Asp	Cys	Tyr	Val	Ala	Ile	Cys	His	Pro	Leu
		115					120					125			
Gln	Tyr	Pro	Val	Leu	Met	Asn	His	Arg	Val	Cys	Leu	Leu	Leu	Met	Ser
	130					135					140				
Leu	Cys	Trp	Val	Leu	Gly	Ser	Leu	Asp	Gly	Phe	Met	Phe	Thr	Pro	Val
145					150					155					160
Thr	Met	Thr	Phe	Pro	Phe	Cys	Gly	Ser	Arg	Glu	Ile	His	His	Phe	Phe
			165						170					175	
Cys	Glu	Val	Pro	Ala	Val	Thr	Lys	Leu	Ser	Cys	Ser	Asp	Thr	Trp	Leu
			180					185					190		
Tyr	Glu	Thr	Leu	Met	Tyr	Val	Cys	Cys	Val	Leu	Met	Leu	Leu	Ile	Pro

Val	Thr	Val	Ile	Ser	Gly	Ser	Tyr	Thr	Ser	Ile	Leu	Leu	Thr	Val	Leu
210						215					220				
Arg	Met	Asn	Ser	Ala	Glu	Gly	Arg	Lys	Lys	Ala	Leu	Ala	Thr	Cys	Ser
225					230					235					240
Ser	His	Met	Thr	Val	Val	Thr	Leu	Phe	Tyr	Gly	Ala	Ala	Val	Tyr	Thr
				245					250					255	
Tyr	Met	Leu	Pro	Ala	Ser	Leu	His	Thr	Pro	Glu	Lys	Asp	Val	Val	Ala
			260					265					270		
Ser	Val	Phe	Tyr	Thr	Ile	Val	Thr	Pro	Leu	Leu	Asn	Pro	Leu	Ile	Tyr
		275					280					285			
Ser	Phe	Arg	Asn	Lys	Asn	Val	Thr	Glu	Ala	Val	Lys	Lys	Leu	Leu	Gly
	290					295					300				
Val	Ser	Thr	Leu	Phe	Gln	Glu	Thr	Val	Lys						
305					310										

<210> 2126

<211> 317

<212> PRT

<213> Mus musculus

<400> 2126

Met	Glu	Lys	Thr	Asn	His	Ser	Leu	Thr	Thr	Gln	Phe	Ile	Leu	Val	Gly
1				5					10					15	
Phe	Ser	Asp	His	Pro	Asp	Leu	Lys	Thr	Pro	Leu	Phe	Leu	Leu	Phe	Ser
			20					25					30		
Val	Ile	Tyr	Leu	Val	Thr	Met	Val	Gly	Asn	Leu	Gly	Leu	Val	Ala	Val
		35				40					45				
Ile	Tyr	Leu	Glu	Pro	Arg	Leu	His	Thr	Pro	Met	Tyr	Ile	Phe	Leu	Gly
	50					55					60				
Asn	Leu	Ala	Leu	Met	Asp	Ser	Cys	Cys	Ser	Cys	Ala	Ile	Thr	Pro	Lys
65					70					75					80
Ile	Leu	Glu	Asn	Phe	Phe	Ser	Val	Asp	Arg	Arg	Ile	Ser	Leu	Tyr	Glu
			85					90					95		
Cys	Met	Ala	Gln	Phe	Tyr	Phe	Leu	Cys	Leu	Ala	Glu	Thr	Ala	Asp	Cys
			100					105					110		
Phe	Leu	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asn
		115					120					125			
Pro	Leu	Gln	Tyr	His	Ser	Met	Met	Ser	Lys	Lys	Leu	Ser	Ile	Gln	Met
		130				135					140				
Ser	Ile	Gly	Thr	Phe	Ile	Thr	Ser	Asn	Leu	His	Ser	Leu	Ile	His	Val
145					150					155					160
Gly	Cys	Leu	Leu	Arg	Leu	Thr	Phe	Cys	Lys	Ser	Asn	Arg	Ile	Asp	His
				165				170					175		
Phe	Phe	Cys	Asp	Ile	Leu	Pro	Leu	Tyr	Arg	Leu	Ser	Cys	Thr	Asp	Pro
			180					185					190		
Phe	Ile	Asn	Glu	Leu	Met	Ile	Tyr	Ile	Phe	Ser	Met	Pro	Ile	Gln	Val
		195					200					205			
Phe	Thr	Ile	Thr	Thr	Val	Leu	Val	Ser	Tyr	Phe	Cys	Ile	Leu	Leu	Thr
	210					215					220				
Ile	Phe	Lys	Met	Lys	Ser	Lys	Asp	Gly	Arg	Gly	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Ala	Ser	His	Phe	Phe	Ser	Val	Ser	Ile	Phe	Tyr	Val	Cys	Leu	Leu
				245					250					255	
Met	Tyr	Ile	Arg	Pro	Phe	Asp	Glu	Gly	Asn	Lys	Asp	Ile	Pro	Val	Ala
			260				265						270		
Val	Phe	Tyr	Thr	Ile	Ile	Ile	Pro	Leu	Leu	Asn	Pro	Phe	Ile	Tyr	Ser
	275						280					285			

Leu	Arg	Asn	Lys	Glu	Val	Val	Asn	Ala	Val	Lys	Lys	Val	Met	Lys	Thr
	290					295					300				
His	Ser	Ile	Phe	Lys	Asn	Ala	Ser	Ala	Ser	Met	Ala	Arg			
305					310					315					

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<400> 2127

Met	Gln	Asn	Gln	Ser	Phe	Val	Thr	Glu	Phe	Ile	Leu	Leu	Gly	Leu	Ser
1				5					10					15	
Gln	Asn	Pro	Lys	Val	Glu	Lys	Ile	Leu	Phe	Val	Val	Phe	Leu	Leu	Val
			20					25					30		
Tyr	Ile	Ala	Thr	Ile	Gly	Gly	Asn	Met	Ile	Ile	Val	Val	Thr	Ile	Ile
		35					40					45			
Tyr	Ser	Pro	Ala	Leu	Leu	Ser	Ser	Pro	Met	Tyr	Phe	Phe	Leu	Ile	Phe
	50					55					60				
Leu	Ser	Phe	Leu	Asp	Ala	Cys	Thr	Ser	Ser	Thr	Val	Thr	Pro	Lys	Met
65					70					75					80
Ile	Val	Asp	Phe	Phe	Tyr	Glu	Arg	Lys	Thr	Ile	Ser	Phe	Glu	Cys	Cys
				85					90					95	
Ile	Thr	Gln	Leu	Phe	Thr	Ser	His	Phe	Phe	Ala	Gly	Val	Glu	Val	Ile
			100					105					110		
Ile	Leu	Thr	Ser	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro
		115					120					125			
Leu	His	Tyr	Ser	Ser	Ile	Met	Thr	Arg	Arg	Leu	Cys	Gly	Thr	Leu	Val
	130					135					140				
Met	Val	Ala	Trp	Thr	Gly	Gly	Phe	Leu	His	Ser	Ile	Thr	Gln	Val	Ile
145					150					155					160
Phe	Thr	Leu	Gln	Leu	Pro	Phe	Cys	Gly	Pro	Asn	Phe	Ile	Asp	His	Phe
				165					170					175	
Ile	Cys	Asp	Leu	Phe	Pro	Leu	Leu	Gln	Leu	Ala	Cys	Thr	Asp	Thr	His
			180					185					190		
Ile	Phe	Val	Ile	Leu	Val	Phe	Ala	Asn	Ser	Gly	Ser	Phe	Cys	Ile	Ile
		195					200					205			
Ile	Phe	Ser	Leu	Leu	Ile	Val	Ser	Tyr	Gly	Val	Ile	Leu	Phe	Ser	Leu
	210					215					220				
Arg	Gly	His	Ser	Ser	Glu	Gly	Arg	Arg	Lys	Ala	Leu	Ser	Thr	Cys	Gly
225					230					235					240
Ser	His	Ile	Thr	Val	Met	Ile	Leu	Phe	Phe	Val	Pro	Cys	Met	Leu	Ile
				245					250					255	
Tyr	Ala	Arg	Pro	Ser	Ser	Ala	Phe	Ser	Phe	Glu	Lys	Asn	Thr	Leu	Ile
			260					265					270		
Phe	Ala	Ser	Val	Leu	Thr	Pro	Leu	Phe	Asn	Pro	Met	Val	Tyr	Thr	Phe
		275					280					285			
Arg	Asn	Lys	Glu	Met	Lys	Asn	Ala	Ile	Arg	Lys	Met	Cys	Arg	Lys	Leu
	290					295					300				
Leu	Val	Asp	Ser	Asp	Asn	Phe									
305					310										

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Leu Gly Leu Ser Ala Asp Pro Glu Leu Gln Pro Ile Ile Phe Gly Leu
 1          5          10          15
Phe Leu Phe Met Tyr Leu Val Thr Phe Leu Gly Asn Leu Ile Ile Thr
20          25          30
Leu Thr Ile Ser Ala Glu Cys His Leu His Thr Pro Met Tyr Phe Phe
35          40          45
Leu Ser Asn Leu Ser Val Ala Asp Ile Cys Ile Ser Ser Thr Thr Val
50          55          60
Pro Lys Met Leu Leu Asn Ile Gln Thr Gln Asp His Arg Ile Thr Tyr
65          70          75          80
Ser Gly Cys Leu Thr Gln Ala Cys Phe Val Leu Leu Phe Ala Gly Leu
85          90          95
Glu Asn Cys Leu Leu Ala Ala Met Ala Tyr Asp Arg Tyr Val Ala Ile
100          105          110
Cys His Pro Leu Arg Tyr Thr Val Ile Met Asn Ser Cys Phe Cys Ser
115          120          125
Ile Leu Ile Val Val Ser Leu Ala Ile Ser Ala Val Asn Ala Leu Leu
130          135          140
Leu Ser Leu Met Val Leu His Leu Asn Phe Cys Thr Lys Val Glu Ile
145          150          155          160
Pro His Phe Phe Cys Glu Leu Ala Gln Ile Ile Lys Leu Ala Cys Ser
165          170          175
Asp Thr Leu Ile Asn Asn Ile Leu Ile Tyr Ile Ser Ala Phe Met Phe
180          185          190
Gly Gly Ile Pro Phe Phe Gly Ile Phe
195          200
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<213> Mus musculus

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Met Val Ser Leu Asn His Thr Gln Phe His Pro Tyr Phe Leu Leu Leu
 1          5          10          15
Leu Leu Gly Ile Pro Gly Leu Glu Asp Thr His Leu Trp Ile Gly Phe
20          25          30
Pro Phe Cys Val Val Val Val Val Tyr Leu Thr Ala Leu Leu Gly Asn
35          40          45
Ile Thr Ile Ile Ser Val Ile Gln Thr Glu His Ser Leu His Gln Pro
50          55          60
Met Phe Tyr Phe Leu Ser Ile Leu Ser Ser Ile Val Leu Gly Leu Ser
65          70          75          80
Thr Ser Thr Ile Pro Glu Met Leu Arg Thr Phe Trp Leu Asn Phe Lys
85          90          95
Lys Ile Leu Phe Asp Gly Gly Val Ile Gln Met Phe Phe Ile His Leu
100          105          110
Phe Ile Gly Met Glu Ser Ala Val Leu Leu Ala Met Ala Tyr Asp Arg
115          120          125
Tyr Val Ala Ile Cys Asn Pro Leu His Tyr Thr Leu Val Leu Thr Asn
130          135          140
Lys Val Val Phe Ile Asn Ala Cys Leu Val Leu Leu Arg Pro Leu Val
145          150          155          160
Thr Ala Ile Pro Phe Ile Val Leu Ile Gln Arg Leu Pro Phe Cys Gly
165          170          175
His Gln Val Ile Leu His Thr Tyr Cys Glu His Met Gly Ile Thr Leu
180          185          190
```

Leu	Pro	Cys	Ala	Ser	Ile	Lys	Val	Asn	Ile	Ile	Tyr	Gly	Leu	Cys	Ala
		195					200					205			
Ile	Ser	Thr	Leu	Val	Phe	Asp	Ile	Val	Ala	Ile	Ile	Val	Ser	Tyr	Ile
		210				215					220				
Ile	Gln	Val	Leu	His	Ala	Val	Ser	His	Leu	Pro	Ser	Arg	Asp	Ala	Arg
225					230					235				240	
Leu	Lys	Ala	Leu	Ser	Thr	Cys	Gly	Ser	His	Val	Cys	Val	Ile	Leu	Ser
			245						250					255	
Phe	Cys	Thr	Pro	Ala	Phe	Phe	Ser	Phe	Met	Ile	Asn	Gln	Phe	Glu	Arg
			260					265					270		
Asn	Val	Pro	Arg	Tyr	Ile	His	Ile	Leu	Leu	Ala	Asn	Leu	Tyr	Val	Val
		275					280					285			
Ile	Pro	Pro	Ala	Leu	Asn	Pro	Val	Ile	Tyr	Gly	Val	Arg	Thr	Lys	Lys
	290				295						300				
Ile	Arg	Glu	Arg	Val	Ala	Met	Ala	Ile	Arg	Asn	Lys	Leu			
305					310					315					

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Met	Asn	Trp	Ile	Leu	His	Thr	Thr	Met	Val	Ser	Pro	Asn	Gln	Thr	Val
1				5					10					15	
Val	Thr	Glu	Phe	Val	Leu	Gln	Gly	Phe	Ser	Glu	His	Pro	Ser	Leu	Arg
			20					25					30		
Leu	Phe	Leu	Met	Gly	Cys	Phe	Leu	Ser	Leu	Tyr	Thr	Val	Ala	Leu	Met
		35					40					45			
Gly	Asn	Met	Val	Ile	Ile	Ala	Leu	Ile	Thr	Ser	Ser	Thr	Gly	Leu	His
	50					55					60				
Ser	Pro	Met	Tyr	Phe	Phe	Leu	Cys	Asn	Leu	Ala	Thr	Met	Asp	Ile	Ile
65					70					75				80	
Cys	Thr	Ser	Ser	Val	Leu	Pro	Lys	Ala	Leu	Val	Gly	Leu	Leu	Tyr	Glu
				85					90					95	
Glu	Asn	Thr	Ile	Ser	Phe	Lys	Gly	Cys	Met	Ala	Gln	Leu	Phe	Phe	Leu
			100					105					110		
Leu	Trp	Ser	Gly	Ser	Ser	Glu	Val	Leu	Leu	Leu	Thr	Val	Met	Ala	Tyr
		115					120					125			
Asp	Arg	Tyr	Val	Ala	Ile	Cys	Cys	Pro	Leu	His	Tyr	Ser	Ser	Arg	Met
	130					135					140				
Ser	Pro	Gln	Leu	Cys	Ala	Ala	Thr	Gly	Arg	Gly	Cys	Met	Val	His	Leu
145					150					155					160
Cys	Cys														

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<400> 2131

Leu	Leu	Pro	Leu	Pro	Leu	Ile	Tyr	Leu	Leu	Thr	Val	Leu	Gly	Asn	Leu
1				5					10					15	
Leu	Ile	Ile	Val	Leu	Ile	His	Ser	Asp	Pro	Arg	Leu	His	Thr	Pro	Met
			20					25					30		
Tyr	Phe	Phe	Leu	Arg	Asn	Leu	Ser	Phe	Ala	Asp	Leu	Cys	Phe	Ser	Thr

Ile	Leu	Ile	Tyr	Met	Ile	Leu	Leu	Asp	Val	Ile	Leu	Ser	Ala	Leu	Ser
			180					185					190		
Tyr	Val	Lys	Ile	Leu	His	Ala	Val	Phe	Lys	Leu	Pro	Ser	Trp	Glu	Ala
		195					200					205			
Arg	Leu	Lys	Ala	Leu	Asn	Thr	Cys	Gly	Ser	His	Val	Cys	Met	Ile	Leu
	210					215					220				
Ala	Phe	Phe	Thr	Pro	Ala	Leu	Phe	Ser	Phe	Leu	Ala	His	Arg	Phe	Gly
225					230					235					240
His	Asn	Ile	Pro	Arg	Tyr	Ile	His	Ile	Leu	Leu	Ala	Asn	Leu	Tyr	Ile
				245					250					255	
Ile	Ile	Pro	Leu	Val	Leu	Asn	Pro	Ile	Ile	Tyr	Gly	Met	Arg	Thr	Lys
			260					265					270		
Gln	Ile	Gln	Asp	Arg	Pro	Val	Thr	Ile	Leu	Phe	Ser	Lys	Glu	Val	Leu
		275					280					285			
Leu															

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 <213> Mus musculus

<400> 2133

Val	Met	Tyr	Ile	Leu	Phe	Phe	Cys	Arg	Lys	Leu	Gln	Asp	Gly	Ser	Leu
1				5					10					15	
Leu	Tyr	Phe	Phe	Pro	Leu	Leu	Phe	Ile	Tyr	Thr	Phe	Ile	Val	Ile	Gly
			20					25				30			
Asn	Leu	Leu	Ile	Phe	Phe	Ala	Val	Arg	Leu	Asp	Ser	His	Leu	His	Asn
		35				40					45				
Pro	Met	Tyr	Asn	Phe	Ile	Ser	Ile	Phe	Ser	Phe	Leu	Glu	Ile	Trp	Tyr
	50					55					60				
Thr	Thr	Ala	Thr	Ile	Pro	Lys	Met	Leu	Ser	Asn	Leu	Ile	Asn	Glu	Lys
65				70						75					80
Lys	Ser	Ile	Thr	Ile	Thr	Gly	Cys	Leu	Leu	Gln	Met	Tyr	Phe	Phe	His
			85					90					95		
Ser	Leu	Gly	Asn	Ser	Glu	Gly	Ile	Leu	Leu	Ile	Ser	Met	Ala	Val	Asp
		100						105					110		
Arg	Tyr	Ile	Ala	Ile	Cys	Asn	Pro	Leu	Arg	Tyr	Gln	Met	Thr	Met	Thr
		115					120					125			
Pro	Ser	Leu	Cys	Val	Gln	Leu	Ser	Ala	Gly	Ser	Cys	Ile	Phe	Gly	Phe
	130					135					140				
Leu	Ile	Leu	Leu	Pro	Glu	Ser	Val	Met	Ile	Ser	Thr	Leu	Pro	Phe	Cys
145				150					155						160
Gly	Pro	Asn	Gln	Ile	His	Gln	Ile	Phe	Asp	Leu	Val	Pro	Val	Leu	Ser
			165					170						175	
Leu	Ala	Cys	Thr	Asp	Thr	Ser	Met	Ile	Val	Ile	Glu	Asp	Val	Ile	His
			180					185					190		
Ala	Val	Ala	Ile	Ile	Ile	Thr	Phe	Leu	Thr	Ile	Ala	Leu	Ser	Tyr	Val
		195					200					205			
Arg	Ile	Val	Ile	Met	Ile	Leu	Arg	Ile	Pro	Ser	Ala	Glu	Gly	Arg	Lys
	210					215					220				
Lys	Ala	Phe	Ser	Thr	Cys	Ala	Gly	His	Leu	Met	Val	Phe	Leu	Ile	Phe
225					230					235					240
Phe	Gly	Ser	Val	Ser	Leu	Met	His	Leu	Arg	Phe	Asn	Ala	Thr	Tyr	Pro
			245					250						255	
Pro	Val	Leu	Glu	Thr	Ala	Ile	Ala	Leu	Met	Phe	Thr	Val	Leu	Ala	Pro
			260					265					270		
Phe	Phe	Asn	Pro	Ile	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Met	Glu	Asn

	275		280		285										
Ala	Ile	Lys	Arg	Leu	Phe	Cys	Leu	His	Lys	Val	Leu	Asn	Thr	Ser	Glu
	290					295					300				
Ser															
305															

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<400> 2134

Trp	Leu	His	Ser	Thr	Leu	Phe	Tyr	Phe	Thr	Ser	Asn	Phe	Leu	Glu	Ile
1				5					10					15	
Pro	Gly	Leu	Glu	Asn	Met	His	Cys	Trp	Ile	Gly	Phe	Pro	Phe	Phe	Ala
			20					25					30		
Val	Leu	Leu	Thr	Ala	Val	Leu	Gly	Asn	Ile	Thr	Ile	Val	Cys	Val	Ile
		35					40					45			
Gln	Thr	Glu	Tyr	Ser	Leu	Pro	Gln	Pro	Met	Phe	Tyr	Phe	Leu	Ala	Ile
	50					55					60				
Leu	Ser	Ser	Thr	Asp	Leu	Ser	Ser	His	Leu	Gln	Ser	Pro	Gln	Phe	Leu
65					70					75					80
Glu	Ser	Cys	Ser	Arg	Lys	Asp	Ile	Ile	Gln	Met	Phe	Cys	Ile	Tyr	Val
				85					90					95	
Phe	Ser	Gly	Met	Glu	Ser	Ala	Val	Leu	Val	Ala	Met	Ala	Tyr	Asp	His
			100					105					110		
Phe	Met	Ala	Asn	Cys	Cys	Pro	Leu	His	Tyr	Thr	Leu	Val	Leu	Thr	Asn
	115						120					125			
Lys	Val	Ile	Phe	Ile	Ile	Ser	Trp	Val	Ile	Leu	Leu	Arg	Ser	Leu	Val
	130					135						140			
Phe	Phe	Ala	Met	Pro	Phe	Val	Leu	Leu	Thr	Leu	Trp	Leu	Pro	Phe	Tyr
145					150					155					160
Lys	His	Gln	Ile	Thr	Leu	His	Leu	His	Gln	Cys	His	Gln	Ile	Tyr	Gly
				165					170					175	
Leu	Cys	Ala	Thr	Pro	Ile	Leu	Ile	Cys	Asp	Ile	Val	Ala	Ile	Ile	Ile
			180					185					190		
Ser	Tyr	Val	Gln	Ile	Phe	Ser	Ala	Ala	Phe	Gln	Leu	Ser	Ser	Gln	Asp
		195					200					205			
Ala	Gln	Leu	Lys	Ala	Leu	Gly	Thr	Cys	Gly	Ser	His	Ala	Cys	Cys	His
	210					215						220			
Leu	Thr	Phe	Tyr	Thr	Leu	Val	Phe	Phe	Ser	Phe	Met	Thr	His	Arg	Phe
225					230					235					240
Gly	His	Asn	Ile	Pro	His	Cys	Ile	His	Ile	Leu	Val	Ala	Ser	Val	Tyr
				245					250					255	
Val	Val	Ile	Leu	Pro	Val	Leu	Asn	Pro	Leu	Ile	Tyr	Ser	Ile	Arg	Thr
			260					265					270		
Lys	Trp	Ile	Glu	Gln	Val	Leu	Lys	Met	Phe	Cys	Lys	Lys			
		275				280						285			

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<400> 2135

Ser	Ser	Asn	Thr	Leu	Asn	Tyr	Thr	Asn	Val	Arg	Asp	Ile	Trp	Tyr	Thr
1				5					10					15	

Met	Ile	Gly	Ile	Pro	Gly	Leu	Glu	Glu	Ser	His	Ile	Trp	Ile	Ser	Ile
		20					25					30			
Pro	Ile	Cys	Ser	Ile	Tyr	Ile	Val	Ala	Ile	Ala	Gly	Asn	Ala	Leu	Leu
		35					40					45			
Leu	Phe	Leu	Ile	Ile	Thr	Glu	Arg	Ser	Leu	His	Glu	Pro	Met	Tyr	Leu
	50					55					60				
Phe	Leu	Ser	Met	Leu	Ala	Leu	Ala	Asp	Ile	Leu	Ser	Thr	Val	Thr	Thr
65					70					75					80
Pro	Lys	Met	Leu	Ala	Ile	Phe	Trp	Phe	Arg	Ala	Gly	Gly	Ile	Ser	Phe
			85						90					95	
Ala	Ser	Cys	Val	Ser	Gln	Met	Phe	Phe	Leu	His	Phe	Ile	Phe	Val	Ala
			100					105					110		
Glu	Ser	Ala	Ile	Leu	Leu	Ala	Met	Ala	Phe	Asp	Arg	Tyr	Val	Val	Ile
		115					120					125			
Cys	Tyr	Pro	Leu	Arg	Tyr	Thr	Thr	Ile	Leu	Thr	Thr	Ser	Val	Ile	Ile
	130					135					140				
Lys	Met	Gly	Ile	Ala	Ala	Val	Ile	Arg	Ser	Phe	Phe	Ile	Cys	Phe	Pro
145					150					155					160
Leu	Ile	Phe	Leu	Val	Tyr	Arg	Leu	Thr	Tyr	Cys	Gly	Arg	Asn	Ile	Ile
				165					170					175	
Arg	His	Ser	Tyr	Cys	Glu	His	Met	Gly	Ile	Ala	Arg	Leu	Ala	Cys	Asp
			180					185					190		
Ser	Ile	Lys	Val	Asn	Ile	Tyr	Tyr	Gly	Met	Ile	Val	Ala	Leu	Phe	Ser
		195					200					205			
Ile	Cys	Leu	Asp	Ala	Val	Leu	Ile	Ile	Val	Ser	Tyr	Ala	Leu	Ile	Leu
	210					215					220				
Cys	Ala	Val	Phe	Arg	Ile	Pro	Ser	Arg	Asp	Ala	Arg	Leu	Lys	Ala	Leu
225					230					235					240
Gly	Thr	Cys	Gly	Ser	His	Val	Cys	Val	Ile	Leu	Leu	Phe	Tyr	Thr	Pro
			245						250					255	
Ala	Phe	Phe	Ser	Phe	Phe	Ala	His	Arg	Phe	Gly	Gly	His	Ser	Ile	Pro
			260					265					270		
Leu	His	Val	His	Ile	Leu	Leu	Ala	Asn	Leu	Tyr	Val	Val	Val	Pro	Pro
		275					280					285			
Ser	Val	Asn	Pro	Ile	Ile	Tyr	Gly	Val	Arg	Thr	Lys	Gln	Ile	Gln	Glu
	290					295					300				
Arg	Ile	Ile	Gln	Met	Phe	Ser	Leu	Gly	Lys	Ser	Phe	Cys			
305					310					315					

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<213> Mus musculus

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Met	Leu	His	Met	Gln	Asp	Asn	Thr	Glu	Phe	Leu	Ser	Asn	Phe	Thr	Ser
1				5				10						15	
Gln	Leu	Pro	Thr	Phe	Leu	Leu	Thr	Gly	Ile	Pro	Gly	Leu	Glu	Ser	Ala
			20					25				30			
His	Ser	Trp	Ile	Ser	Ile	Pro	Phe	Cys	Cys	Leu	Tyr	Ala	Thr	Ala	Leu
		35					40					45			
Ser	Gly	Asn	Ser	Met	Ile	Leu	Phe	Ile	Ile	Val	Thr	Gln	His	Ser	Leu
	50					55					60				
His	Glu	Pro	Met	Tyr	Tyr	Phe	Leu	Ser	Val	Leu	Ser	Ala	Thr	Asp	Leu
65					70					75					80
Gly	Leu	Thr	Phe	Ser	Thr	Met	Ser	Thr	Thr	Leu	Arg	Ile	Leu	Trp	Phe
				85					90					95	
Gln	Ala	Asn	Glu	Ile	Ser	Leu	Asp	Phe	Cys	Ile	Val	Gln	Met	Phe	Phe

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 <213> Mus musculus

<400> 2138
 Ser Ile Ser Ile Met Gly Cys Met Leu Gln Leu Leu Ala Tyr Gly Thr
 1 5 10 15
 Phe Ala Thr Ile Asp Ser Phe Ile Leu Ala Ala Met Ala Val Asp Arg
 20 25 30
 Tyr Val Ala Ile Cys Asn Pro Leu Arg Tyr Pro Ile Val Met Ser Gln
 35 40 45
 Arg Leu Cys Ile Leu Leu Leu Val Gly Ser Tyr Thr Met Gly Phe Leu
 50 55 60
 Asn Ala Ser Val Asn Thr Ser Phe Thr Phe Ser Leu Lys Phe Cys Lys
 65 70 75 80
 Ser Asn Ala Ile Asn His Phe Phe Cys Asp Glu Pro Pro Ile Leu Ala
 85 90 95
 Leu Ser Cys Ser Ser Ile Asp Phe Ser Ile Met Leu Leu Thr Val Phe
 100 105 110
 Val Gly Phe Asn Leu Val Ser Thr Val Leu Val Val Ile Phe Ser Tyr
 115 120 125
 Thr Tyr Val Leu Ser Ala Ile Leu Arg Met Ser Ser Ala Ala Gly Arg
 130 135 140
 Lys Lys Ala Phe Ser Thr Cys Ala Ser His Leu Thr Ala Val Thr Ile
 145 150 155 160
 Phe Tyr Gly Thr Leu Ala Tyr Met Tyr Leu His Pro His Thr Asn Asp
 165 170 175
 Ser Gln Glu Gln Glu Lys Ala Ala Ser Val Phe Tyr Gly Ile Ile Ile
 180 185 190
 Pro Met Leu Asn Pro Leu Ile Tyr Ser Leu Arg Asn Gln Asp Val Ile
 195 200 205
 Glu Ala Phe Lys Lys Ile Val Lys Lys Cys Leu
 210 215

<210> 2139
 <211> 312
 <212> PRT
 <213> Mus musculus

<400> 2139
 Met Ala Glu Gly Asn Gln Ser Thr Val Thr Glu Phe Ile Leu Thr Gly
 1 5 10 15
 Leu Thr Asn Lys Pro Glu Leu Gln Leu Pro Leu Phe Leu Leu Phe Leu
 20 25 30
 Gly Ile Tyr Leu Phe Thr Glu Leu Gly Asn Leu Gly Met Val Ile Leu
 35 40 45
 Ile Ser Ile Ser Ser His Leu His Thr Pro Met Tyr Phe Phe Leu Ser
 50 55 60
 Ser Leu Ser Phe Ile Asp Leu Cys Tyr Ser Thr Val Ile Ile Pro Lys
 65 70 75 80
 Met Leu Val Asn Phe Val Thr Glu Lys Asn Ile Ile Ser Tyr Pro Glu
 85 90 95
 Cys Met Thr Gln Leu Tyr Cys Phe Leu Val Leu Val Ile Ser Glu Cys
 100 105 110
 Tyr Met Leu Ser Ala Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Asn

Pro	Leu	Arg	Tyr	Asn	Val	Thr	Met	Ser	Tyr	Gln	Val	Cys	Leu	Trp	Met
115	130					120	135				125	140			
Ile	Gly	Gly	Val	Tyr	Cys	Ile	Gly	Leu	Ile	Glu	Ala	Thr	Leu	His	Ile
145					150					155					160
Val	Cys	Met	Leu	Arg	Val	Leu	Phe	Cys	Lys	Ala	Asn	Val	Val	Asn	His
				165					170					175	
Phe	Phe	Cys	Asp	Leu	Leu	Pro	Leu	Leu	Gln	Leu	Ala	Cys	Ser	Ser	Thr
			180					185					190		
Phe	Val	Asn	Glu	Val	Val	Leu	Leu	Cys	Leu	Ser	Thr	Phe	Asn	Phe	Cys
		195					200					205			
Val	Pro	Met	Leu	Thr	Ile	Leu	Ser	Ser	Tyr	Ser	Phe	Ile	Ile	Ala	Ser
210						215					220				
Ile	Leu	Arg	Ile	Lys	Ser	Thr	Glu	Ser	Arg	Phe	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Ser	Ser	His	Phe	Thr	Ser	Val	Ala	Val	Phe	Phe	Gly	Ser	Leu	Gly
				245					250					255	
Phe	Met	Tyr	Phe	Gln	Pro	Ser	Ser	Val	Ser	Ser	Glu	Asp	Gln	Gly	Lys
			260					265					270		
Val	Ser	Ser	Val	Phe	Tyr	Thr	Thr	Val	Val	Pro	Met	Leu	Asn	Pro	Leu
		275				280						285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Val	Ala	Leu	Asn	Lys	Leu
290						295					300				
Leu	Arg	Lys	Lys	Thr	Phe	His	Met								
305					310										

<210> 2140

<211> 287

<212> PRT

<213> Mus musculus

<400> 2140

Asn	Pro	Phe	Leu	Pro	Asn	Leu	Leu	Leu	Gly	His	Asp	Val	Cys	Ala	Gly
1				5					10					15	
Ile	Glu	Thr	Leu	Thr	Lys	Thr	Leu	Leu	Ile	Arg	Val	Ser	Ser	Gln	Leu
			20					25					30		
His	His	Pro	Met	Tyr	Phe	Phe	Leu	Ser	Asn	Leu	Ala	Ser	Ile	Asp	Ile
		35				40					45				
Ala	Tyr	Ser	Ser	Ser	Val	Thr	Pro	Asn	Met	Leu	Ala	Asn	Phe	Leu	Val
	50					55				60					
Lys	Gln	Asn	Thr	Ile	Ser	Tyr	Ile	Gly	Cys	Ser	Ile	Gln	Phe	Gly	Ser
65					70				75					80	
Thr	Ala	Phe	Trp	Gly	Thr	Val	Glu	Cys	Phe	Leu	Leu	Ala	Val	Met	Ala
			85					90					95		
Tyr	Asp	Arg	Phe	Val	Ala	Ile	Cys	Asn	Gln	Leu	Leu	Tyr	Ser	Thr	Lys
			100				105						110		
Met	Ser	Thr	Glu	Ala	Cys	Ile	Gln	Leu	Val	Leu	Gly	Ser	Tyr	Ile	Gly
		115					120					125			
Gly	Phe	Leu	Thr	Ala	Leu	Ser	Phe	Ile	Leu	Ser	Phe	Phe	Leu	Phe	Ile
	130					135					140				
Phe	Cys	Gly	Pro	Asn	Arg	Ile	Asn	His	Phe	Phe	Cys	Asp	Ala	Pro	Leu
145					150				155						160
Val	Glu	Leu	Ser	Cys	Ser	Asp	Val	Ser	Val	Ser	Val	Leu	Val	Thr	Ser
				165					170					175	
Phe	Phe	Val	Gly	Leu	Val	Thr	Val	Ile	Thr	Val	Phe	Val	Ile	Ala	Ile
		180						185					190		
Ser	Tyr	Ile	Tyr	Ile	Leu	Ile	Thr	Ile	Leu	Lys	Met	Arg	Ser	Thr	Glu
	195						200						205		

Gly	Ser	His	Arg	Ala	Phe	Ser	Thr	Cys	Thr	Ser	His	Leu	Thr	Ala	Val
	210					215				220					
Thr	Leu	Phe	Tyr	Gly	Thr	Val	Thr	Phe	Ile	Tyr	Val	Ile	Pro	Lys	Ser
225					230					235					240
Asn	Tyr	Ser	Thr	Asp	Gln	Lys	Lys	Val	Val	Ser	Val	Phe	Tyr	Thr	Val
				245					250					255	
Val	Ile	Pro	Met	Leu	Asn	Pro	Ile	Ile	Tyr	Ser	Leu	Arg	Asn	Asn	Gln
			260					265					270		
Ile	Lys	Gly	Ala	Leu	Lys	Arg	Leu	Leu	Gly	Lys	Lys	Ile	Phe	Ser	
		275					280					285			

<210> 2141

<211> 89

<212> PRT

<213> Mus musculus

<400> 2141

Met	Ser	Ala	Ser	Leu	Lys	Asp	Phe	Asn	Ser	Ser	Lys	Phe	Leu	Val	Ser
1				5					10					15	
Glu	Phe	Ile	Leu	Leu	Gly	Phe	Pro	Gly	Ile	His	Ser	Trp	Gln	His	Trp
			20					25					30		
Leu	Ser	Leu	Pro	Leu	Thr	Leu	Leu	Tyr	Leu	Ser	Ala	Ile	Gly	Thr	Asn
		35				40						45			
Val	Leu	Ile	Leu	Ile	Ile	Ile	Cys	Gln	Asp	Pro	Ser	Leu	Lys	Gln	Pro
	50					55					60				
Met	Tyr	Leu	Phe	Leu	Gly	Ile	Leu	Ser	Leu	Val	Asp	Met	Gly	Leu	Ala
65					70					75					80
Thr	Thr	Ile	Met	Pro	Lys	Ile	Leu	Ala							
				85											

<210> 2142

<211> 318

<212> PRT

<213> Mus musculus

<400> 2142

Leu	Ala	Phe	Leu	Glu	Tyr	Gly	Asp	His	Thr	Thr	Val	Lys	Glu	Cys	Ile
1				5					10					15	
Leu	Leu	Gly	Leu	Thr	Asp	Asp	Pro	Val	Phe	Arg	Val	Ile	Leu	Phe	Ser
			20					25					30		
Ile	Ile	Leu	Cys	Ile	Tyr	Leu	Val	Thr	Val	Phe	Gly	Asn	Leu	Ser	Thr
		35				40						45			
Ile	Leu	Leu	Ile	Arg	Val	Ser	Ser	Gln	Leu	His	His	Pro	Met	Tyr	Phe
	50				55						60				
Phe	Leu	Ser	His	Leu	Gly	Ser	Pro	Asp	Ile	Gly	Ala	Ser	Ser	Val	Thr
65					70					75					80
Pro	Ile	Met	His	Val	Asn	Phe	Leu	Val	Asp	Lys	Asn	Ile	Ile	Met	Thr
			85						90					95	
Leu	Gly	Cys	Asn	Ile	His	Leu	Gly	Ser	Gly	Ala	Phe	Phe	Gly	Thr	Val
			100					105					110		
Glu	Cys	Phe	Val	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Cys	Phe	Val	Ala	Ile
		115					120					125			
Cys	Ser	Ser	Leu	Leu	Tyr	Ser	Asn	Lys	Met	Ser	Ser	Gln	Val	Cys	Val
		130				135					140				
Gln	Leu	Leu	Val	Val	Thr	Tyr	Val	Ser	Ser	Phe	Leu	Asn	Thr	Ser	Cys
145					150					155					160
Phe	Thr	Leu	Ser	Phe	Phe	Ser	Phe	Tyr	Phe	Cys	Gly	Pro	Asn	Arg	Ile

Lys	Leu	Phe	Phe	Cys	Asp	Phe	Thr	Pro	Leu	Val	Glu	Leu	Ser	Thr	Phe
			180					185					190		
Asp	Ser	Val	Ser	Ile	Leu	Val	Thr	Ile	Ser	Gly	Gly	Thr	Val	Ile	Val
		195					200					205			
Ile	Thr	Val	Phe	Ile	Ile	Ala	Val	Ser	Tyr	Ile	Tyr	Ile	Phe	Ile	Thr
	210					215					220				
Ile	Leu	Lys	Met	His	Ser	Thr	Gly	Cys	Arg	His	Lys	Ala	Phe	Phe	Thr
225					230					235					240
Cys	Thr	Ser	His	Leu	Thr	Thr	Val	Thr	Leu	Phe	Tyr	Gly	Thr	Val	Thr
			245						250					255	
Phe	Ile	Tyr	Leu	Met	Pro	Lys	Ser	Ser	Tyr	Ser	Thr	Asp	Gln	Asn	Lys
			260					265					270		
Val	Val	Ser	Val	Phe	Cys	Ile	Val	Val	Ile	Pro	Met	Leu	Asn	Pro	Leu
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Asn	Glu	Ile	Thr	Asp	Ala	Leu	Lys	Arg	His
	290				295					300					
Ile	Gly	Arg	Lys	Thr	Cys	Ser	Trp	Arg	Asn	Leu	Leu	Cys	Cys		
305					310					315					

<210> 2143

<211> 320

<212> PRT

<213> Mus musculus

<400> 2143

Gly	Phe	Leu	Leu	Asp	Gly	Asn	His	Thr	Ala	Val	Thr	Glu	Phe	Ile	Leu
1				5					10					15	
Leu	Gly	Leu	Thr	Asp	Asp	Pro	Val	Leu	Arg	Val	Ile	Leu	Phe	Thr	Ile
			20					25					30		
Ile	Leu	Cys	Phe	Tyr	Leu	Val	Thr	Val	Ser	Gly	Asn	Leu	Ser	Thr	Ile
		35					40					45			
Leu	Leu	Ile	Arg	Val	Ser	Ser	Gln	Leu	His	His	Pro	Met	Tyr	Phe	Phe
	50					55					60				
Leu	Ser	His	Leu	Ala	Ser	Val	Asp	Ile	Gly	Tyr	Ser	Cys	Thr	Val	Thr
65					70					75					80
Pro	Asn	Met	Leu	Val	Asn	Phe	Leu	Leu	Glu	Arg	Ser	Thr	Thr	Ser	Tyr
			85						90					95	
Thr	Glu	Cys	Gly	Ile	Gln	Leu	Gly	Ser	Ala	Asp	Phe	Ile	Ala	Pro	Val
			100					105					110		
Glu	Cys	Phe	Leu	Leu	Ala	Ala	Met	Ala	Cys	Asp	Pro	Phe	Met	Ala	Val
		115					120					125			
Asn	Pro	Leu	Leu	Tyr	Ser	Thr	Lys	Met	Ser	Thr	Gln	Val	Cys	Val	Gln
	130					135					140				
Leu	Val	Leu	Gly	Ser	Tyr	Val	Gly	Gly	Phe	Leu	Ser	Leu	Ile	Ile	Met
145					150					155					160
Ala	Tyr	Phe	Phe	Ser	Phe	Leu	Phe	Phe	Gly	Pro	Asn	Arg	Ile	Asn	His
			165						170					175	
Phe	Phe	Cys	Asn	Phe	Asp	Pro	Leu	Ala	Glu	Leu	Ser	Cys	Ser	Asp	Val
			180					185					190		
Ser	Val	Ser	Ile	Leu	Ile	Ser	Phe	Leu	Ala	Ala	Ser	Ile	Ala	Ile	Ile
		195					200					205			
Thr	Gly	Phe	Val	Ile	Ala	Phe	Ser	Tyr	Ser	Tyr	Ile	Leu	Ile	Thr	Ile
	210					215					220				
Leu	Lys	Met	His	Ser	Thr	Lys	Gly	Arg	His	Lys	Ala	Phe	Ser	Thr	Cys
225					230					235					240
Thr	Ser	His	Leu	Thr	Ala	Val	Thr	Leu	Tyr	Tyr	Glu	Thr	Ile	Thr	Phe
			245						250					255	

Ile	Tyr	Val	Met	Pro	Lys	Ser	Ser	Tyr	Ser	Thr	Gly	Gln	Asn	Lys	Val
			260					265					270		
Ala	Ser	Gln	Phe	Tyr	Met	Val	Val	Ile	Pro	Met	Leu	Asn	Leu	Leu	Ile
		275					280					285			
Tyr	Ser	Leu	Ser	Asn	Asn	Glu	Ile	Lys	Gly	Ala	Leu	Lys	Arg	Gln	Leu
	290					295					300				
Asp	Met	Lys	Thr	Phe	Ser	Tyr	Asn	Asn	Leu	Leu	Phe	Cys	Thr	Thr	Ile
305					310					315					320

<210> 2144
 <211> 336
 <212> PRT
 <213> Mus musculus

<220>
 <221> VARIANT
 <222> (205)...(236)
 <223> Any amino acid

<400> 2144

Met	Ala	Leu	Ser	Asn	Ser	Ser	Trp	Arg	Gln	Pro	Gln	Pro	Pro	Phe	Phe
1				5					10					15	
Leu	Val	Gly	Val	Pro	Gly	Leu	Glu	Glu	Ser	Gln	His	Trp	Ile	Ala	Leu
			20					25					30		
Pro	Leu	Gly	Ile	Leu	Tyr	Leu	Phe	Ala	Leu	Val	Gly	Asn	Val	Thr	Ile
		35					40					45			
Ile	Phe	Ile	Ile	Trp	Thr	Asp	Ser	Ser	Leu	His	Gln	Pro	Met	Tyr	Leu
	50					55					60				
Phe	Leu	Ala	Met	Leu	Ala	Ile	Asp	Leu	Val	Leu	Ala	Ser	Ser	Thr	
65				70					75					80	
Ala	Pro	Lys	Ala	Leu	Thr	Val	Leu	Leu	Ala	His	Ala	His	Glu	Ile	Gly
				85					90					95	
Tyr	Ile	Val	Cys	Leu	Thr	Gln	Met	Phe	Phe	Ile	His	Ala	Phe	Ser	Ser
			100					105					110		
Met	Glu	Ser	Gly	Ile	Leu	Val	Ala	Met	Ala	Leu	Asp	Arg	Tyr	Val	Ala
		115					120					125			
Ile	Cys	His	Pro	Leu	Arg	His	Ser	Thr	Ile	Leu	His	Pro	Gly	Ile	Ile
	130					135						140			
Gly	Arg	Ile	Gly	Leu	Val	Val	Leu	Val	Arg	Gly	Leu	Val	Leu	Leu	Phe
145				150						155					160
Pro	Phe	Pro	Ile	Leu	Leu	Gln	Asn	Val	Val	Phe	Cys	Arg	Ala	Thr	Val
				165					170					175	
Ile	Ser	His	Ala	Tyr	Cys	Glu	His	Met	Ala	Val	Val	Lys	Leu	Ala	Cys
			180					185					190		
Ser	Glu	Thr	Thr	Val	Asn	Arg	Ala	Tyr	Gly	Leu	Ser	Xaa	Xaa	Xaa	Xaa
		195					200					205			
Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa
	210					215					220				
Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Ile	Gly	Ile	Ser
225					230					235					240
Tyr	Ala	Leu	Ile	Leu	Gln	Ala	Val	Leu	Lys	Val	Pro	Gly	Gly	Glu	Ala
				245					250					255	
Arg	Leu	Lys	Ala	Phe	Ser	Thr	Cys	Gly	Ser	His	Val	Cys	Val	Ile	Leu
			260					265					270		
Ile	Phe	Tyr	Val	Pro	Gly	Met	Phe	Ser	Phe	Leu	Thr	His	Arg	Phe	Gly
		275					280					285			
His	His	Val	Pro	His	His	Val	His	Val	Leu	Leu	Ala	Thr	Leu	Tyr	Leu
	290					295					300				

Leu	Val	Pro	Pro	Ala	Leu	Asn	Pro	Leu	Val	Tyr	Gly	Val	Lys	Thr	Arg
305					310					315					320
Gln	Ile	Arg	Gln	Arg	Val	Leu	Arg	Val	Phe	Tyr	Thr	Lys	Ala	Ser	Ile
				325					330					335	

<210> 2145
 <211> 206
 <212> PRT
 <213> Mus musculus

<400> 2145															
His	Ile	Phe	Thr	Ala	Met	Glu	Thr	Val	Val	Leu	Val	Ala	Met	Ala	Phe
1				5					10					15	
Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asn	Pro	Leu	Arg	Tyr	Ser	Gln	Ile	Leu
			20					25					30		
Thr	Asn	Arg	Thr	Ile	Gly	Leu	Ile	Leu	Val	Val	Val	Phe	Gly	Val	Asn
			35				40					45			
Phe	Ile	Leu	Leu	Ile	Pro	Leu	Val	Phe	Leu	Ile	Leu	Arg	Leu	Pro	Phe
	50					55					60				
Cys	Gly	His	His	Ile	Ile	Pro	His	Thr	Tyr	Cys	Glu	His	Met	Gly	Ile
65				70						75					80
Ala	Arg	Leu	Ala	Cys	Ala	Asn	Ile	Lys	Val	Asn	Met	Ile	Phe	Gly	Leu
				85					90					95	
Ile	Leu	Ile	Ser	Met	Val	Leu	Ala	Asp	Val	Leu	Leu	Ile	Ala	Ile	Ser
			100					105					110		
Tyr	Met	Arg	Ile	Leu	Arg	Ala	Val	Phe	Cys	Leu	Pro	Ser	Arg	Asp	Ala
		115					120					125			
Arg	Leu	Lys	Ala	Leu	Asn	Thr	Cys	Gly	Ser	His	Ile	Cys	Val	Ile	Leu
	130					135					140				
Ala	Phe	Phe	Thr	Pro	Ala	Phe	Phe	Ser	Phe	Met	Thr	His	Arg	Phe	Gly
145					150					155					160
Arg	Asn	Val	Pro	Ala	Tyr	Ile	His	Ile	Leu	Leu	Ala	Asn	Leu	Tyr	Val
				165					170					175	
Val	Val	Pro	Pro	Ala	Leu	Asn	Pro	Val	Ile	Tyr	Gly	Val	Arg	Thr	Lys
			180					185					190		
Gln	Ile	Arg	Asp	Gln	Val	Leu	Ser	Ile	Phe	Trp	Lys	Lys	Thr		
		195					200					205			

<210> 2146
 <211> 287
 <212> PRT
 <213> Mus musculus

<400> 2146															
Met	Ile	Pro	Gly	Gln	Asn	Gln	Ser	Trp	Val	Ser	Glu	Phe	Ile	Leu	Ile
1				5					10					15	
Gly	Phe	Ser	Ser	Asp	Pro	Thr	Thr	Asn	Ser	Ile	Leu	Phe	Ile	Val	Phe
			20					25					30		
Leu	Leu	Ile	Tyr	Leu	Ser	Ser	Val	Leu	Gly	Asn	Gly	Leu	Ile	Ile	Met
		35					40					45			
Leu	Val	Cys	Leu	Asp	Thr	Gln	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu
	50					55					60				
Ser	Thr	Leu	Ser	Leu	Leu	Asp	Met	Thr	Phe	Val	Thr	Thr	Thr	Met	Pro
65					70					75					80
Gln	Met	Leu	Val	His	Leu	Leu	Ala	His	Ser	Gln	Thr	Ile	Ser	Phe	Thr
				85					90					95	
Gly	Cys	Trp	Leu	Gln	Met	Phe	Met	Phe	Gly	Gly	Leu	Gly	Ile	Thr	Glu

<212> PRT
<213> Mus musculus

<220>
<221> VARIANT
<222> (71)...(117)
<223> Any amino acid

<400> 2148

Met	Met	Glu	Tyr	Glu	Asn	Tyr	Thr	Phe	Asn	Ser	Asp	Phe	Ile	Leu	Leu
1				5					10					15	
Gly	Leu	Phe	Ser	Ser	Ser	Lys	Thr	Ser	Leu	Thr	Phe	Phe	Ser	Phe	Ile
			20					25					30		
Phe	Phe	Ile	Phe	Ile	Met	Ala	Ile	Thr	Glu	Asn	Ala	Leu	Met	Ile	Leu
		35					40					45			
Leu	Ile	His	Arg	Asp	Ser	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Leu	Leu
	50					55					60				
Ser	His	Leu	Ser	Phe	Met	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa
65					70				75						80
Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa
				85					90					95	
Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa
			100					105						110	
Xaa	Xaa	Xaa	Xaa	Xaa	Met	Ser	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	His
			115				120					125			
Pro	Leu	Arg	Tyr	Pro	Val	Leu	Met	Arg	Asp	Asn	Ser	Ser	Arg	Leu	Leu
	130					135					140				
Ala	Ala	Gly	Ser	Trp	Leu	Val	Gly	Ile	Leu	Asn	Ser	Ile	Val	His	Thr
145					150					155					160
Val	Phe	Ala	Leu	His	Phe	Pro	Phe	Cys	His	Ser	Arg	Ala	Ile	Asp	His
				165					170					175	
Phe	Phe	Cys	Glu	Val	Pro	Ala	Met	Leu	Lys	Leu	Ser	Cys	Ile	Asp	Thr
			180					185					190		
Thr	His	Tyr	Glu	Arg	Gly	Val	Tyr	Val	Ser	Gly	Ile	Ile	Phe	Leu	Leu
		195					200					205			
Ile	Pro	Phe	Ser	Met	Ile	Ser	Ile	Ser	Tyr	Val	Gln	Ile	Leu	Leu	Thr
	210					215					220				
Val	Phe	Gln	Met	Gln	Ser	Ser	Gly	Ala	Arg	Gln	Lys	Ser	Phe	Ser	Thr
225					230					235					240
Cys	Ser	Phe	His	Met	Val	Val	Val	Ile	Met	Tyr	Tyr	Gly	Pro	Phe	Ile
				245					250					255	
Phe	Thr	Tyr	Met	Arg	Pro	Arg	Ser	Tyr	His	Thr	Pro	Gly	Gln	Asp	Lys
			260					265					270		
Phe	Leu	Ala	Ile	Phe	Tyr	Thr	Ile	Leu	Thr	Pro	Thr	Leu	Asn	Pro	Ile
		275					280					285			
Ile	Tyr	Ser	Phe	Arg	Asn	Lys	Asp	Val	Leu	Met	Ala	Val	Lys	Asn	Ile
	290					295					300				
Val	Gln	Ser	Asn	Phe	Leu	Asn	Lys	Lys							
305					310										

<210> 2149
<211> 135
<212> PRT
<213> Mus musculus

<400> 2149

Met	Trp	Met	Phe	Pro	Lys	Gln	Asn	Gln	Ser	Trp	Val	Ser	Glu	Phe	Ile
1				5					10					15	

Leu	Leu	Gly	Phe	Ser	Ser	Val	Pro	Thr	Thr	Asn	Ser	Ile	Leu	Phe	Ile
			20					25				30			
Val	Phe	Leu	Leu	Val	Tyr	Leu	Ser	Ser	Val	Leu	Gly	Asn	Gly	Leu	Ile
		35					40					45			
Ile	Met	Leu	Val	Cys	Leu	Asp	Thr	Gln	Leu	His	Thr	Pro	Met	Tyr	Phe
	50					55					60				
Phe	Leu	Cys	Thr	Leu	Ser	Leu	Leu	Asp	Met	Ser	Tyr	Val	Thr	Thr	Thr
65					70					75					80
Met	Pro	Gln	Met	Leu	Val	His	Leu	Leu	Ala	His	Ser	Gln	Thr	Ile	Ser
				85					90					95	
Phe	Val	Gly	Cys	Trp	Leu	Gln	Met	Tyr	Met	Phe	Ser	Ala	Leu	Gly	Ile
			100					105					110		
Ala	Glu	Ser	Ile	Leu	Phe	Val	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala
		115					120					125			
Ile	Cys	Tyr	Pro	Leu	Arg	Tyr									
	130					135									

<210> 2150
 <211> 216
 <212> PRT
 <213> Mus musculus

<400> 2150															
Cys	Leu	Ala	Gln	Met	Phe	Phe	Ile	His	Ser	Phe	Thr	Ala	Met	Glu	Ser
1				5					10				15		
Gly	Phe	Phe	Leu	Ala	Met	Ala	Ile	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asp
			20					25				30			
Pro	Leu	Arg	His	Thr	Thr	Ile	Leu	Thr	Asn	Ser	Arg	Ile	Ala	Lys	Met
		35					40					45			
Gly	Ala	Val	Val	Val	Leu	Arg	Gly	Val	Gly	Phe	Phe	Ser	Pro	His	Pro
	50					55				60					
Ile	Leu	Leu	Lys	Gln	Leu	Pro	Tyr	Cys	Arg	Thr	Arg	Ile	Ile	Ala	His
65				70						75					80
Thr	Tyr	Cys	Glu	Phe	Ile	Ala	Val	Val	Lys	Leu	Ala	Cys	Val	Asp	Thr
				85					90					95	
Gly	Ala	Thr	Lys	Arg	Tyr	Ser	Leu	Ser	Val	Ala	Ser	Val	Ile	Gly	Ser
			100					105					110		
Cys	Asp	Gly	Phe	Phe	Ile	Ala	Leu	Ser	Tyr	Val	Leu	Ile	Leu	Arg	Ala
		115					120				125				
Val	Phe	Arg	Leu	Pro	Ser	Arg	Glu	Ala	Ser	Leu	Lys	Ala	Leu	Gly	Thr
	130					135					140				
Cys	Gly	Ser	His	Val	Cys	Val	Ile	Leu	Val	Phe	Tyr	Ser	Thr	Ala	Val
145					150					155					160
Phe	Thr	Phe	Leu	Thr	His	Arg	Phe	Gly	His	Asn	Val	Ala	Pro	Gln	Ile
				165					170					175	
His	Ile	Phe	Ile	Ala	Asn	Met	Tyr	Leu	Leu	Val	Pro	Pro	Phe	Leu	Asn
			180					185					190		
Pro	Ile	Val	Tyr	Gly	Ile	Arg	Thr	Lys	Lys	Ile	Arg	Glu	Tyr	Val	Leu
		195					200					205			
Ser	Phe	Leu	Arg	Val	Lys	Phe	Ser								
	210					215									

<210> 2151
 <211> 311
 <212> PRT
 <213> Mus musculus

<400> 2151

Met	Glu	Asn	Tyr	Thr	Arg	Val	Lys	Glu	Leu	Ile	Phe	Leu	Gly	Leu	Thr
1				5					10					15	
Gln	Ser	Gln	Glu	Val	Ser	Met	Val	Leu	Phe	Leu	Phe	Leu	Leu	Leu	Val
			20					25					30		
Tyr	Val	Thr	Thr	Leu	Leu	Gly	Asn	Leu	Leu	Ile	Met	Val	Thr	Val	Thr
		35					40					45			
Cys	Glu	Ser	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Leu	Leu	Arg	Asn	Leu
	50					55					60				
Ser	Val	Ala	Asp	Ile	Cys	Phe	Ser	Ser	Ile	Thr	Ala	Pro	Lys	Val	Leu
65					70					75					80
Val	Asp	Leu	Leu	Ser	Asp	Arg	Lys	Thr	Ile	Ser	Phe	Asn	Gly	Cys	Leu
				85					90					95	
Thr	Gln	Met	Phe	Phe	His	Leu	Ile	Gly	Gly	Val	Asp	Val	Phe	Ser	
			100					105					110		
Leu	Ser	Val	Met	Ala	Leu	Asp	Arg	Tyr	Val	Ala	Ile	Ser	Lys	Pro	Leu
		115					120					125			
His	Tyr	Val	Thr	Ile	Met	Ser	Arg	Gly	Arg	Cys	Ile	Gly	Leu	Ile	Val
	130					135					140				
Ala	Ser	Trp	Val	Gly	Gly	Phe	Ala	His	Ser	Ile	Val	Gln	Ile	Ser	Leu
145				150						155					160
Leu	Leu	Thr	Leu	Pro	Phe	Cys	Gly	Pro	Asn	Val	Leu	Asp	Thr	Phe	Tyr
				165					170					175	
Cys	Asp	Val	Pro	Gln	Val	Ile	Lys	Leu	Ala	Cys	Thr	Asp	Ile	Phe	Val
			180					185					190		
Leu	Glu	Leu	Leu	Met	Ile	Ser	Asn	Asn	Gly	Met	Leu	Thr	Thr	Leu	Trp
		195					200					205			
Phe	Phe	Leu	Leu	Leu	Val	Ser	Tyr	Met	Val	Ile	Leu	Leu	Leu	Leu	Lys
	210					215					220				
Ser	Gln	Ser	Gly	Glu	Gly	Lys	Lys	Lys	Ala	Ile	Ser	Thr	Cys	Thr	Ser
225					230					235					240
His	Ile	Thr	Val	Ile	Thr	Leu	His	Phe	Val	Pro	Cys	Ile	Tyr	Val	Tyr
				245					250					255	
Ala	Arg	Pro	Phe	Thr	Ala	Leu	Pro	Thr	Asp	Lys	Ala	Ile	Ser	Val	Thr
			260					265					270		
Phe	Thr	Val	Ile	Ser	Pro	Leu	Leu	Asn	Pro	Leu	Ile	Tyr	Thr	Leu	Arg
		275					280					285			
Asn	Gln	Glu	Met	Lys	Ser	Ala	Met	Arg	Arg	Leu	Arg	Lys	Arg	Leu	Gly
	290					295					300				
Pro	Ser	Tyr	Trp	Ile	Glu	Arg									
305					310										

<210> 2152

<211> 311

<212> PRT

<213> Mus musculus

<220>

<221> VARIANT

<222> (186)...(186)

<223> Any amino acid

<221> VARIANT

<222> (187)...(193)

<223> Any amino acid

<400> 2152

Met Pro His Thr Asn Ser Thr Lys Ile Thr Glu Phe Ile Leu Leu Gly

1	5	10	15
Leu Thr Asp Arg Pro Glu Leu Gln Pro Leu Leu Phe Val Leu Phe Leu			
Phe Ile Tyr Leu Val Thr Leu Leu Gly Asn Met Gly Leu Met Ala Leu			
Ile Arg Leu Asp Ser Arg Leu His Lys Pro Met Tyr Phe Phe Leu Ser			
Asn Leu Ala Phe Val Asp Leu Cys Tyr Thr Ser Thr Ala Thr Pro Gln			
Met Leu Thr Asn Phe Leu Ser Glu Lys Lys Thr Ile Ser Phe Ile Gly			
Cys Phe Ile Gln Cys Tyr Leu Phe Ile Ala Leu Leu Leu Thr Glu Phe			
Tyr Met Leu Ala Ala Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Asn			
Pro Leu Arg Tyr Ser Val Lys Met Ser Arg Arg Val Cys Ile Cys Leu			
Ala Met Cys Pro Tyr Ile Tyr Gly Phe Ser Asp Gly Leu Phe Gln Thr			
Ile Leu Thr Phe Ser Met Thr Phe Cys Lys Ser Asn Val Ile Asn His			
Phe Tyr Cys Ala Asp Pro Pro Leu Ile Xaa Leu Xaa Xaa Xaa Xaa			
Xaa Leu Ser Asn Ser Leu Thr Ile Val Leu Val Ser Tyr Ala Phe Ile			
Ile Ala Ala Ile Leu Arg Ile Lys Ser Ala Glu Gly Arg Arg Lys Ala			
Phe Ser Thr Cys Gly Ser His Met Met Ala Val Thr Leu Phe Tyr Gly			
Thr Leu Phe Cys Met Tyr Val Arg Pro Pro Thr Asp Lys Thr Val Glu			
Glu Ser Lys Ile Ala Val Phe Tyr Thr Phe Val Ser Pro Leu Leu			
Asn Pro Leu Ile Tyr Ser Leu Arg Asn Lys Asp Val Lys Gln Ala Leu			
Lys Thr Ile Leu Arg Gln Asn Val Ile Arg Thr Ala Leu Met Arg Pro			
Pro Ser Asn Lys Leu His Gln			

<210> 2153
 <211> 242
 <212> PRT
 <213> Mus musculus

<400> 2153
Met Asp Gly Gly Asn Gln Ser Gly Asp Ser Glu Phe Leu Leu Leu Gly
Leu Ser Glu Val Pro Glu His Gln Arg Ile Leu Phe Trp Thr Phe Leu
Ser Met Tyr Leu Val Thr Val Val Gly Asn Val Leu Ile Ile Leu Ala
Ile Gly Ser Asp Ser His Leu His Thr Pro Met Tyr Phe Phe Leu Ala
Asn Leu Ser Phe Thr Asp Leu Phe Phe Val Thr Asn Thr Ile Pro Lys
Met Leu Val Ser Leu Gln Ser Gln Asn Lys Ala Ile Ser Tyr Pro Gly

Cys	Leu	Thr	Gln	Leu	Phe	Phe	Leu	Val	Ser	Leu	Val	Ala	Leu	Asp	Asn
			100					105					110		
Leu	Ile	Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	His
		115					120					125			
Pro	Leu	His	Tyr	Thr	Thr	Ala	Met	Ser	Pro	Lys	Leu	Cys	Ile	Leu	Leu
	130						135				140				
Leu	Ile	Leu	Cys	Trp	Ala	Leu	Ser	Ile	Leu	Tyr	Gly	Leu	Ile	His	Thr
145					150					155					160
Leu	Leu	Met	Thr	Arg	Val	Thr	Phe	Cys	Gly	Ser	Arg	Lys	Ile	His	Tyr
				165					170					175	
Ile	Phe	Cys	Glu	Met	Tyr	Val	Leu	Leu	Arg	Leu	Ala	Cys	Ser	Asn	Thr
			180					185					190		
His	Ile	Asn	His	Met	Met	Leu	Ile	Ala	Thr	Gly	Cys	Phe	Val	Phe	Leu
		195					200					205			
Val	Pro	Phe	Gly	Phe	Met	Ile	Met	Ser	Tyr	Ile	Cys	Ile	Val	Arg	Ala
	210					215					220				
Ile	Leu	Lys	Ile	Pro	Ser	Ala	Ser	Asn	Lys	Tyr	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Trp	Cys														

<210> 2154
 <211> 351
 <212> PRT
 <213> Mus musculus

<220>
 <221> VARIANT
 <222> (231)...(232)
 <223> Any amino acid

<221> VARIANT
 <222> (234)...(278)
 <223> Any amino acid

<400> 2154															
Met	Asp	Ile	Pro	Ser	Asn	Asn	Thr	Ile	Pro	Arg	Gly	Phe	Leu	Leu	Gln
1				5					10					15	
Gly	Phe	Phe	Glu	Phe	Pro	His	Leu	Lys	Pro	Leu	Leu	Phe	Leu	Val	Leu
			20					25					30		
Leu	Ala	Val	His	Leu	Ala	Thr	Leu	Ser	Gly	Asn	Leu	Leu	Ile	Leu	Val
		35				40					45				
Ala	Val	Ile	Ser	Val	Pro	Ser	Arg	Pro	Pro	Met	Leu	Leu	Phe	Leu	Cys
	50					55				60					
Gln	Leu	Ser	Ala	Ile	Glu	Leu	Cys	Tyr	Thr	Leu	Val	Val	Val	Pro	Arg
65					70				75						80
Ser	Leu	Ala	Asp	Leu	Ser	Met	Pro	Gly	His	Gly	Arg	Gly	Ser	Pro	Ile
			85					90					95		
Ser	Phe	Leu	Gly	Cys	Ala	Val	Gln	Met	Gln	Met	Phe	Val	Ala	Leu	Gly
			100				105					110			
Gly	Ala	Glu	Cys	Phe	Leu	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val
		115					120					125			
Ala	Ile	Cys	His	Pro	Leu	Arg	Tyr	Ala	Ser	Ile	Val	Thr	Pro	Gly	Leu
	130					135					140				
Cys	Ala	Arg	Leu	Ala	Leu	Ala	Cys	Cys	Leu	Gly	Gly	Leu	Ala	Val	Ser
145					150					155					160
Val	Gly	Leu	Thr	Val	Ala	Val	Phe	His	Leu	Pro	Phe	Cys	Gly	Ser	Arg
				165					170					175	

Leu	Leu	Val	His	Phe	Phe	Cys	Asp	Ile	Thr	Ala	Leu	Leu	His	Leu	Ala	
			180					185					190			
Cys	Thr	Arg	Ser	Tyr	Val	Asp	Glu	Leu	Pro	Leu	Leu	Gly	Ala	Cys	Leu	
		195					200					205				
Val	Leu	Leu	Leu	Leu	Pro	Ser	Met	Leu	Ile	Leu	Thr	Ser	Tyr	Gly	Ala	
	210					215					220					
Ile	Ala	Ser	Ala	Leu	Arg	Xaa	Xaa	Pro	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	
225					230				235						240	
Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	
				245					250						255	
Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	
				260					265						270	
Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Cys	Ala	Ser	His	Leu	Ala	Val	Thr	Phe	Leu	
		275					280					285				
His	Tyr	Gly	Cys	Ala	Thr	Phe	Met	Tyr	Val	Arg	Pro	Lys	Ser	Ser	Tyr	
	290					295					300					
Ser	Pro	Arg	Leu	Asp	Arg	Thr	Leu	Ala	Leu	Val	Tyr	Thr	Asn	Val	Thr	
305					310					315					320	
Pro	Leu	Leu	Tyr	Pro	Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Arg	Glu	Ile	Thr	
				325					330					335		
Ser	Ala	Ile	His	Arg	Val	Leu	Gly	Phe	Arg	Gly	Ser	Gly	Ser	Val		
			340					345					350			

<210> 2155

<211> 304

<212> PRT

<213> Mus musculus

<220>

<221> VARIANT

<222> (199)...(222)

<223> Any amino acid

<400> 2155

Met	Arg	Asn	His	Thr	Val	Ile	Thr	Glu	Phe	Val	Leu	Leu	Gly	Ile	Ser	
1				5					10					15		
Asp	Thr	Pro	Glu	Leu	Gln	Leu	Val	Leu	Phe	Ile	Phe	Leu	Leu	Ile	Thr	
			20					25					30			
Tyr	Ile	Leu	Ser	Val	Thr	Gly	Asn	Leu	Thr	Ile	Ile	Ile	Leu	Thr	Leu	
		35				40						45				
Leu	Asp	Ser	Arg	Leu	Lys	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Arg	Asn	Phe	
	50					55					60					
Ser	Phe	Leu	Glu	Ile	Thr	Phe	Thr	Ser	Val	Ser	Ile	Pro	Arg	Phe	Leu	
65					70				75						80	
Gly	Ser	Ile	Ile	Thr	Lys	Val	Lys	Thr	Ile	Ser	Tyr	Asn	Asn	Cys	Leu	
				85					90					95		
Ala	Gln	Leu	Tyr	Phe	Phe	Ile	Ser	Met	Gly	Val	Ser	Glu	Phe	Phe	Leu	
			100					105					110			
Leu	Thr	Ala	Met	Ser	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu	
		115				120						125				
His	Tyr	Thr	Leu	Ile	Met	Asn	Gln	Lys	Val	Cys	Thr	Leu	Leu	Val	Leu	
	130					135					140					
Ala	Ser	Trp	Leu	Ala	Gly	Phe	Leu	Thr	Ile	Phe	Pro	Pro	Leu	Met	Leu	
145					150					155					160	
Val	Leu	Lys	Leu	Asp	Phe	Cys	Ala	Ser	Asn	Val	Ile	Asp	His	Phe	Ser	
				165					170					175		
Cys	Asp	Tyr	Phe	Pro	Ile	Leu	Gln	Leu	Ser	Cys	Ser	Asp	Pro	Arg	Ser	
			180					185					190			

His	Leu	Thr	Ala	Val	Ala	Leu	Leu	Phe	Gly	Thr	Leu	Ile	Phe	Met	Tyr
			260					265					270		
Ile	Arg	Ser	Gly	Ser	Lys	Lys	Ser	Leu	Glu	Glu	Asp	Lys	Val	Val	Ser
		275					280					285			
Val	Phe	Tyr	Thr	Val	Val	Ile	Pro	Met	Leu	Asn	Pro	Leu	Val	Tyr	Ser
	290					295					300				
Leu	Arg	Asn	Lys	Asp	Val	Lys	Ala	Ala	Phe	Lys	Lys	Val	Thr	Gly	Lys
305					310					315					320
Trp	Gln	Val	Ser	His	Ser	Ile	Gln	Tyr							
				325											

<210> 2157

<211> 302

<212> PRT

<213> Mus musculus

<220>

<221> CONFLICT

<222> (95)...(104)

<223> Any amino acid

<400> 2157

Met	Lys	Asn	Arg	Thr	Ser	Val	Ser	Glu	Phe	Ile	Leu	Leu	Gly	Leu	Thr
1				5					10					15	
Asn	Asp	Pro	Lys	Leu	Asn	Ile	Leu	Ile	Phe	Val	Phe	Leu	Phe	Ile	Thr
			20					25					30		
Tyr	Ile	Leu	Ser	Ile	Thr	Gly	Asn	Leu	Thr	Ile	Ile	Thr	Leu	Thr	Leu
		35				40						45			
Ile	Asp	Ser	His	Leu	Lys	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Arg	Asn	Phe
	50					55					60				
Ser	Phe	Leu	Glu	Ile	Ser	Phe	Thr	Thr	Val	Ser	Ile	Pro	Arg	Phe	Leu
65					70					75					80
Val	Ser	Ile	Val	Thr	Gly	Asp	Met	Thr	Ile	Ser	Tyr	Ser	Ser	Xaa	Xaa
				85					90					95	
Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Thr	Ala	Met	Ser	Tyr	Asp	Arg	Tyr
			100					105					110		
Val	Ala	Ile	Cys	Lys	Pro	Leu	His	Tyr	Thr	Thr	Ile	Met	Ser	Ser	Arg
		115				120						125			
Val	Cys	Met	Gln	Leu	Ile	Val	Ser	Ser	Trp	Leu	Ala	Gly	Phe	Leu	Ile
	130					135					140				
Ile	Phe	Pro	Pro	Val	Ile	Met	Gly	Leu	Gln	Leu	Asp	Phe	Cys	Asp	Ser
145					150					155					160
Asn	Ile	Ile	Asp	His	Phe	Thr	Cys	Asp	Ser	Ser	Pro	Leu	Leu	Leu	Ile
				165					170					175	
Ser	Cys	Thr	Asp	Thr	Ala	Phe	Leu	Glu	Leu	Phe	Ala	Phe	Phe	Leu	Ala
			180					185					190		
Val	Leu	Thr	Leu	Ile	Val	Thr	Leu	Thr	Leu	Val	Ile	Leu	Ser	Tyr	Ser
		195					200					205			
Phe	Ile	Leu	Arg	Thr	Ile	Leu	Arg	Ile	Pro	Ser	Ala	Glu	Gln	Arg	Lys
	210					215					220				
Lys	Ala	Phe	Ser	Thr	Cys	Ser	Ser	His	Met	Ile	Val	Val	Ser	Ile	Ser
225					230					235					240
Tyr	Gly	Ser	Cys	Ile	Phe	Met	Tyr	Val	Lys	Thr	Ser	Ala	Lys	Glu	Gly
			245						250					255	
Val	Thr	Leu	Thr	Lys	Gly	Ile	Ala	Val	Leu	Asn	Thr	Ser	Val	Ala	Pro
			260					265					270		
Met	Leu	Asn	Pro	Phe	Ile	Tyr	Thr	Leu	Arg	Asn	Lys	Gln	Val	Lys	Glu
		275					280					285			

Ala Phe Lys Thr Leu Ile Lys Lys Arg Phe Ser Asn Lys Ile
 290 295 300

<210> 2158
 <211> 241
 <212> PRT
 <213> Mus musculus
 <220>
 <221> VARIANT
 <222> (116)...(122)
 <223> Any amino acid

<400> 2158
 Met Thr Ile His Asn Asn Arg Ser Val Ser His Pro Asp Thr Phe Phe
 1 5 10 15
 Leu Ile Gly Ile Pro Gly Leu Glu Glu Ile His Ala Trp Ile Ser Leu
 20 25 30
 Pro Phe Cys Cys Ile Tyr Leu Val Ala Leu Met Val Asn Thr Met Ile
 35 40 45
 Leu Val Val Ile Lys Thr Glu Arg Ser Leu Arg Glu Pro Met Phe Tyr
 50 55 60
 Phe Leu Ala Ile Leu Ser Ser Val Asp Leu Ala Leu Ser Thr Thr Ser
 65 70 75 80
 Val Pro Arg Met Leu Gly Ile Phe Trp Phe Asp Ala His Glu Ile Asn
 85 90 95
 Phe Gly Gly Cys Val Ala Gln Met Phe Leu Ile His Ala Phe Thr Gly
 100 105 110
 Met Glu Ala Xaa Xaa Xaa Xaa Xaa Xaa Asn Ile His Ile Asn Ala
 115 120 125
 Val Tyr Gly Leu Phe Val Val Ser Leu Phe Leu Leu Asn Leu Val Leu
 130 135 140
 Ile Gly Ile Ser Tyr Gly Tyr Ile Leu Arg Ala Val Phe Arg Leu Pro
 145 150 155 160
 Ser Gln Asp Ala Arg Leu Lys Ala Leu Ser Thr Cys Gly Ser His Val
 165 170 175
 Ala Val Leu Cys Val Phe Tyr Ile Pro Ser Val Phe Ser Phe Leu Thr
 180 185 190
 His Arg Phe Gly His Asn Ile Pro His Tyr Ile His Ile Leu Val Ala
 195 200 205
 Asn Leu Tyr Leu Val Ile Pro Pro Ser Leu Asn Pro Ile Ile Tyr Ser
 210 215 220
 Val Arg Thr Lys Gln Ile Arg Glu His Val Leu His Ile Phe Thr Lys
 225 230 235 240
 Arg

<210> 2159
 <211> 240
 <212> PRT
 <213> Mus musculus

<400> 2159
 Leu Ser Phe Ser Ser Leu Pro Thr Met Leu Lys Ile Phe Phe Phe Asn
 1 5 10 15
 Ala Met Ala Ile Ser Pro Asn Ala Cys Phe Ala Gln Glu Phe Phe Ile
 20 25 30

His	Gly	Phe	Thr	Val	Met	Glu	Ser	Ser	Val	Leu	Leu	Ile	Met	Ser	Leu
		35					40					45			
Asp	Arg	Phe	Leu	Ala	Ile	His	Asn	Pro	Leu	Arg	Tyr	Ser	Ser	Ile	Leu
	50					55					60				
Asn	Gly	Arg	Arg	Val	Ala	Lys	Ile	Gly	Leu	Ile	Leu	Ala	Phe	Arg	Ser
65					70				75						80
Thr	Val	Leu	Val	Leu	Pro	Phe	Pro	Phe	Thr	Leu	Arg	Lys	Leu	Lys	Tyr
				85					90					95	
Cys	His	Lys	Asn	Leu	Leu	Ser	His	Ser	Tyr	Cys	Leu	His	Gln	Asp	Val
			100					105					110		
Met	Lys	Leu	Ala	Cys	Ser	Asp	Asn	Lys	Ile	Asn	Phe	Ile	Tyr	Gly	Phe
		115					120					125			
Phe	Val	Ala	Leu	Cys	Thr	Met	Leu	Asp	Phe	Ala	Leu	Ile	Leu	Met	Ser
	130						135				140				
Tyr	Val	Leu	Ile	Leu	Lys	Thr	Val	Leu	Ser	Ile	Ala	Ser	Leu	Ala	Glu
145					150					155					160
Arg	Leu	Lys	Ala	Leu	Asn	Thr	Cys	Val	Ser	His	Ile	Cys	Ala	Val	Leu
				165					170					175	
Ile	Phe	Tyr	Val	Pro	Ile	Ile	Thr	Leu	Ala	Ala	Ile	His	Arg	Phe	Ala
			180					185					190		
Lys	His	Lys	Ser	Pro	Leu	Leu	Val	Ile	Leu	Ile	Ala	Asp	Met	Phe	Leu
		195					200					205			
Leu	Val	Pro	Pro	Leu	Met	Asn	Pro	Ile	Val	Tyr	Cys	Ile	Lys	Thr	Arg
	210					215					220				
Gln	Ile	Arg	Glu	Lys	Val	Leu	Gly	Lys	Leu	Val	Asn	Leu	Cys	Val	Arg
225					230					235					240

<210> 2160

<211> 281

<212> PRT

<213> Mus musculus

<220>

<221> VARIANT

<222> (146)...(248)

<223> Any amino acid

<400> 2160

Met	Glu	Asn	Arg	Thr	Val	Pro	Thr	Glu	Phe	Ile	Leu	Leu	Gly	Leu	Ser
1				5					10					15	
Asp	Asp	Pro	Gly	Leu	Gln	Ile	Val	Ile	Phe	Leu	Phe	Leu	Ile	Leu	Met
			20					25					30		
Tyr	Ile	Leu	Ser	Ile	Thr	Gly	Asn	Leu	Thr	Ile	Ile	Thr	Leu	Thr	Leu
		35				40						45			
Val	Asp	Pro	His	Leu	Gln	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Arg	Asn	Phe
	50					55				60					
Ser	Val	Leu	Glu	Ile	Thr	Phe	Thr	Thr	Val	Cys	Ile	Pro	Arg	Phe	Leu
65					70				75						80
Ser	Thr	Ile	Val	Thr	Arg	Asp	Lys	Thr	Ile	Ser	Tyr	Asn	Ser	Cys	Thr
				85				90						95	
Ala	Gln	Leu	Phe	Phe	Phe	Ile	Phe	Leu	Gly	Ile	Thr	Glu	Phe	Tyr	Leu
			100					105					110		
Leu	Thr	Ala	Met	Ser	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu
		115				120						125			
His	Tyr	Thr	Thr	Ile	Met	Asn	Arg	Arg	Val	Cys	Ile	Leu	Arg	Ser	Phe
	130					135					140				
Leu	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa
145					150					155					160

Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa
				165					170					175		
Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa
			180					185						190		
Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa
		195					200					205				
Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa
	210					215					220					
Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa
225					230				235							240
Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Ala	Pro	Met	Met	Asn	Pro	Phe	Ile	
				245					250					255		
Tyr	Thr	Leu	Arg	Asn	Gln	Gln	Val	Lys	Gln	Ala	Phe	Lys	Asp	Ala	Ile	
			260					265					270			
Gln	Lys	Val	Val	Leu	Phe	Ser	Gly	Lys								
		275					280									

<210> 2161
 <211> 140
 <212> PRT
 <213> Mus musculus

<400> 2161

Met	Ser	Leu	Tyr	Asn	Ile	Thr	Glu	Val	His	Pro	Ser	Ser	Phe	Leu	Leu	
1				5					10					15		
Leu	Gly	Ile	Pro	Gly	Leu	Glu	Tyr	Ala	His	Ile	Trp	Ile	Gly	Phe	Pro	
			20					25					30			
Phe	Cys	Phe	Leu	Tyr	Leu	Ile	Ala	Ile	Leu	Gly	Asn	Ala	Ala	Val	Leu	
		35					40					45				
Phe	Val	Ile	Gln	Thr	Glu	His	Ser	Leu	His	Glu	Pro	Met	Tyr	Tyr	Phe	
	50					55					60					
Leu	Ala	Met	Leu	Asp	Ser	Ile	Asp	Leu	Gly	Leu	Thr	Thr	Ala	Thr	Ile	
65				70					75						80	
Pro	Lys	Met	Leu	Gly	Ile	Phe	Trp	Phe	Asn	Leu	Arg	Glu	Ile	Ser	Phe	
			85					90						95		
Gly	Gly	Cys	Leu	Ser	Gln	Met	Phe	Phe	Ile	His	Phe	Phe	Thr	Val	Met	
		100					105						110			
Glu	Ser	Ile	Met	Leu	Leu	Ala	Met	Gly	Phe	Asp	Arg	Tyr	Val	Ala	Ile	
		115				120						125				
Cys	Lys	Pro	Leu	Gln	Tyr	Thr	Val	Ile	Leu	Thr	Asn					
	130					135					140					

<210> 2162
 <211> 305
 <212> PRT
 <213> Mus musculus

<400> 2162

Met	Gly	Glu	Asp	Asn	Arg	Thr	Ser	Val	Thr	Glu	Phe	Ile	Phe	Leu	Gly	
1				5					10					15		
Leu	Ser	Gln	Asp	Pro	Gln	Thr	Gln	Val	Leu	Leu	Phe	Phe	Leu	Phe	Leu	
		20						25					30			
Phe	Ile	Tyr	Leu	Leu	Thr	Val	Leu	Gly	Asn	Leu	Leu	Ile	Ile	Val	Leu	
		35				40						45				
Ile	His	Ser	Asp	Pro	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Arg	Asn	Leu	
	50					55					60					
Ser	Phe	Ala	Asp	Leu	Cys	Phe	Ser	Thr	Thr	Thr	Val	Pro	Gln	Val	Leu	

		115				120				125					
Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa
	130					135				140					
Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa
145					150					155					160
Xaa	Leu	Leu	Ala	Val	Met	Ser	Tyr	Asp	Arg	Tyr	Val	Ala	Val	Cys	Lys
				165					170					175	
Pro	Leu	His	Tyr	Ser	Thr	Ile	Met	Thr	His	Trp	Val	Cys	Val	Gln	Leu
			180					185					190		
Ala	Ala	Gly	Ser	Trp	Ala	Ser	Gly	Ala	Leu	Val	Ser	Leu	Val	Asp	Thr
		195					200					205			
Thr	Phe	Thr	Leu	Arg	Leu	Pro	Tyr	Arg	Gly	Asn	Asn	Val	Ile	Asn	His
	210					215					220				
Phe	Phe	Cys	Glu	Pro	Pro	Ala	Leu	Leu	Lys	Leu	Ala	Ser	Ala	Asp	Thr
225					230					235					240
Tyr	Ser	Thr	Glu	Met	Ala	Ile	Phe	Ala	Met	Gly	Val	Val	Ile	Leu	Leu
				245					250					255	
Ala	Pro	Val	Ser	Leu	Ile	Leu	Thr	Ser	Tyr	Trp	Asn	Ile	Ile	Ser	Thr
			260					265				270			
Val	Ile	Gln	Met	Gln	Ser	Gly	Glu	Gly	Arg	Leu	Lys	Val	Phe	Ser	Thr
		275					280					285			
Cys	Gly	Ser	His	Leu	Ile	Val	Val	Val	Leu	Phe	Tyr	Gly	Ser	Ala	Ile
	290					295				300					
Phe	Ala	Tyr	Met	Arg	Pro	Asn	Ser	Lys	Ile	Met	Asn	Glu	Lys	Asp	Lys
305					310					315					320
Met	Ile	Ser	Val	Phe	Tyr	Ser	Ala	Val	Thr	Pro	Met	Leu	Asn	Pro	Ile
				325					330					335	
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Gly	Ala	Leu	Arg	Arg	Ile
			340					345					350		
Thr	Leu	Lys													
		355													

<210> 2164
 <211> 193
 <212> PRT
 <213> Mus musculus

<400> 2164

Asp	His	Tyr	Val	Ala	Ile	Cys	Asn	Pro	Leu	Arg	Tyr	Ala	Thr	Val	Leu
1				5					10					15	
Thr	Asn	Ala	Arg	Ile	Val	Ala	Met	Gly	Leu	Gly	Thr	Val	Leu	Arg	Ser
			20					25					30		
Phe	Val	Leu	Ile	Val	Val	Phe	Pro	Val	Leu	Leu	His	Arg	Leu	Pro	Phe
		35				40					45				
Cys	His	Pro	Gln	Asn	Ile	Leu	Ser	His	Ala	Tyr	Cys	Leu	His	Val	Asp
	50					55				60					
Met	Ile	Lys	Leu	Ala	Cys	Thr	Asp	Val	Ser	Leu	Asn	Ser	His	Tyr	Gly
65					70					75					80
Leu	Ser	Ile	Val	Leu	Leu	Thr	Phe	Gly	Leu	Asp	Ser	Ala	Leu	Ile	Leu
			85					90					95		
Ile	Ser	Tyr	Val	Leu	Ile	Leu	Arg	Ser	Val	Leu	Ala	Ile	Ala	Ser	Arg
			100					105					110		
Glu	Glu	Arg	Leu	Lys	Thr	Leu	Asn	Thr	Cys	Val	Ser	His	Ile	Leu	Ala
		115					120					125			
Val	Leu	Ile	Phe	Tyr	Val	Pro	Met	Val	Ser	Val	Ser	Ile	Val	His	Arg
		130				135					140				
Phe	Gly	Ala	Gly	Leu	Pro	His	Ala	Val	His	Ile	Leu	Met	Ser	Ile	Leu
145					150					155					160

Tyr Leu Phe Val Pro Pro Met Leu Asn Pro Ile Ile Tyr Ser Ile Lys
 165 170 175
 Thr Lys Glu Ile Arg Arg Arg Leu Leu Lys Met Leu Phe Arg Val Lys
 180 185 190
 Leu

<210> 2165
 <211> 313
 <212> PRT
 <213> Mus musculus

<400> 2165
 Leu Leu Val Ser Leu Glu Gln Arg Ile Met Lys Phe Leu Thr Gly Ile
 1 5 10 15
 Pro Gly Leu Glu Thr Gln His Gly Trp Leu Ser Ile Pro Ile Phe Ile
 20 25 30
 Met Tyr Met Val Ala Ile Val Gly His Ser Leu Ile Met Ala Ala Val
 35 40 45
 Gln Gln Val Ser Val Phe His Gly Pro Met Tyr Leu Phe Phe Tyr Met
 50 55 60
 Leu Ala Ile Asn Glu Val Gly Val Ser Glu Ser Thr Met Pro Thr Val
 65 70 75 80
 Arg Ser Ser Leu Trp Phe Asp Ala Asn Arg Ile Asp Leu Asp Gly Cys
 85 90 95
 Leu Ala Gln Met Leu Phe Ile His Thr Phe Ser Gly Met Gly Ser Gly
 100 105 110
 Val Leu Leu Thr Met Ser Tyr Glu Asp Phe Val Thr Ile Tyr Asn Pro
 115 120 125
 Leu Arg His Thr Ala Phe Leu Thr Leu Pro Arg Ile Ile Ser Met Gly
 130 135 140
 Leu Gly Ile Thr Leu Lys Ser Val Thr Leu Met Ala Pro Leu Gln Ile
 145 150 155 160
 Leu Leu Lys Gln Arg Pro Tyr Cys His Ile Asn Ile Leu Ser His Ser
 165 170 175
 Tyr Gly Leu His Ala Asp Leu Ile Gln Leu Pro Cys Ala Asp Thr Arg
 180 185 190
 Leu Asn Ser Ile Leu Arg Leu Thr Ile Val Leu Ala Thr Phe Gly Leu
 195 200 205
 Asp Ser Leu Phe Ile Val Val Ser Tyr Gly Leu Ile Leu Tyr Thr Val
 210 215 220
 Met Gly Ile Ala Ser Gly Glu Gly Arg Lys Lys Ala Leu Asn Thr Cys
 225 230 235 240
 Val Ser His Ile Cys Ala Val Leu Ile Tyr Tyr Val Pro Met Ile Gly
 245 250 255
 Val Ser Met Met His Arg Val Ala Lys His Ala Ser Pro Val Val His
 260 265 270
 Thr Leu Met Leu Ser Ile Tyr Leu Phe Val Pro Pro Val Leu Asn Pro
 275 280 285
 Ile Ile Tyr Ser Val Lys Thr Arg Pro Ile Gln Gln Gly Ile Ala Asn
 290 295 300
 Leu Phe Ser Cys Lys Lys Gly Ser Ile
 305 310

<210> 2166
 <211> 193
 <212> PRT

<213> Mus musculus

<400> 2166

```
Arg Tyr Val Ala Ile Cys Asp Pro Leu Arg His Ala Ser Ile Phe Thr
 1          5          10          15
Gln Arg Leu Leu Thr Gln Ile Gly Val Gly Val Thr Leu Arg Ala Ala
 20          25          30
Leu Phe Val Ala Pro Cys Leu Phe Leu Ile Lys Cys Arg Leu Lys Phe
 35          40          45
Tyr Trp Thr Thr Val Val Ser His Ser Tyr Cys Glu His Met Ala Ile
 50          55          60
Val Lys Leu Ala Ala Glu Asp Val His Val Asn Lys Ile Tyr Gly Leu
 65          70          75          80
Phe Val Ala Phe Ser Ile Leu Gly Leu Asp Ile Ile Phe Ile Thr Leu
 85          90          95
Ser Tyr Ile Arg Ile Phe Ile Thr Val Phe Lys Leu Pro Gln Lys Glu
100          105          110
Ala Arg Leu Lys Ala Phe Asn Thr Cys Ile Ala His Ile Cys Val Phe
115          120          125
Leu Glu Phe Tyr Leu Leu Ala Phe Phe Ser Phe Phe Thr His Arg Phe
130          135          140
Gly Tyr His Val Pro Ser Tyr Ile His Ile Leu Leu Ser Asn Leu Tyr
145          150          155          160
Leu Leu Val Pro Pro Leu Leu Asn Pro Ile Val Tyr Gly Val Lys Thr
165          170          175
Lys Gln Ile Arg Asp Gln Val Ser Lys Ile Leu Tyr Cys Asn Tyr Ser
180          185          190
Tyr
```

<210> 2167

<211> 218

<212> PRT

<213> Mus musculus

<400> 2167

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Pro Ile Thr Lys Val Ile Tyr Ala Ser Asn Leu Pro Phe Val Leu Ser
 1          5          10          15
Asn Phe Leu Leu Gly Ala Asn Lys Ile Cys Phe Glu Thr Cys Leu Leu
 20          25          30
Lys Met Phe Ser Ile His Ser Phe Ser Ile Met Glu Ser Gly Val Leu
 35          40          45
Leu Ala Met Ser Val Asp Arg Phe Val Ala Ile Tyr Lys Pro Leu Arg
 50          55          60
Tyr Pro Val Lys Leu Thr Leu Pro Arg Ile Ala Gly Thr Arg Val Thr
 65          70          75          80
Leu Gly Leu Lys Ser Leu Leu Leu Met Phe Leu Leu Pro Phe Leu Leu
 85          90          95
Lys Arg Leu Pro Phe Cys Gly His Asn Val Leu Ser His Ser Tyr Cys
100          105          110
Leu His Ser Asp Leu Ile Gln Leu Pro Cys Gly Asp Thr Arg Pro Asn
115          120          125
Ser Ile Leu Gly Leu Arg Ile Val Thr Ser Thr Phe Gly Leu Asp Ser
130          135          140
Leu Leu Ile Val Val Pro Tyr Val Leu Ile Leu Ser Met Val Ser Leu
145          150          155          160
Phe Arg Leu Val Leu Val Val Asp Arg Arg Gly Glu Lys Glu His Ala
165          170          175
```

Phe	Met	Asn	Glu	Leu	Lys	Ile	Ser	Leu	Glu	Lys	Tyr	Leu	Pro	Ile	Leu
			180					185					190		
Pro	Val	Gln	Val	Ala	Ser	Val	Val	Leu	Tyr	Trp	Pro	Arg	Gln	His	Ser
		195					200					205			
Ala	Arg	Lys	Val	Val	Ser	Asn	Leu	Met	Thr						
	210					215									

<210> 2168
 <211> 305
 <212> PRT
 <213> Mus musculus

<400> 2168

Met	Pro	Ile	Phe	Tyr	Asn	Ser	Thr	Ser	Pro	Thr	Phe	Leu	Leu	Thr	Gly
1			5						10					15	
Val	Pro	Gly	Leu	Glu	Trp	Ala	His	Pro	Trp	Ile	Ser	Ile	Pro	Phe	Cys
			20					25					30		
Cys	Leu	Tyr	Phe	Thr	Ala	Leu	Ser	Gly	Asn	Ser	Leu	Ile	Leu	Phe	Leu
		35					40					45			
Val	Leu	Thr	Glu	Pro	Thr	Leu	Gln	Glu	Pro	Met	Tyr	Tyr	Phe	Leu	Ser
	50					55					60				
Met	Leu	Ser	Ser	Thr	Asp	Ile	Gly	Leu	Cys	Ile	Ser	Thr	Ile	Val	Thr
65					70					75					80
Val	Leu	Gly	Ile	Phe	Trp	Leu	Asn	Ala	Arg	Glu	Ile	Ser	Phe	Ser	Ala
				85					90					95	
Cys	Leu	Ser	Gln	Met	Phe	Phe	Ile	His	Leu	Phe	Thr	Phe	Met	Glu	Ser
			100					105					110		
Ser	Val	Leu	Leu	Ala	Met	Ala	Phe	Asp	Arg	Phe	Val	Ala	Ile	Ser	Asn
		115					120					125			
Pro	Arg	Tyr	Ala	Ala	Ile	Leu	Thr	His	Ala	Arg	Ile	Ala	Gln	Ile	Gly
	130					135					140				
Leu	Ala	Ile	Ile	Thr	Lys	Ala	Thr	Val	Ile	Leu	Thr	Pro	Pro	Val	Leu
145					150					155					160
Leu	Leu	Lys	Arg	Leu	Ser	Phe	Cys	Arg	Ser	Arg	Val	Leu	His	His	Ser
				165					170					175	
Tyr	Cys	Phe	His	Pro	Asp	Val	Met	Lys	Leu	Ser	Cys	Ser	Asp	Thr	Lys
			180					185					190		
Ile	Asn	Ser	Ala	Phe	Gly	Leu	Thr	Ala	Ile	Ile	Ser	Thr	Ala	Gly	Val
		195				200						205			
Asp	Ser	Ile	Phe	Ile	Leu	Leu	Ser	Tyr	Ala	Leu	Ile	Ile	Arg	Ser	Val
	210					215					220				
Leu	Ser	Ile	Ala	Ser	Pro	Arg	Glu	Arg	Lys	Lys	Ala	Phe	Ser	Thr	Cys
225					230					235					240
Ile	Ser	His	Val	Thr	Ala	Val	Ala	Ile	Phe	Tyr	Ile	Pro	Leu	Ile	Ser
				245					250					255	
Leu	Ser	Phe	Val	His	Arg	Phe	Gly	Lys	His	Ala	Leu	Pro	Tyr	Val	Pro
			260					265					270		
Thr	Leu	Ile	Ala	Asn	Val	Tyr	Leu	Leu	Ile	Pro	Pro	Val	Met	Asn	Pro
		275					280					285			
Ile	Ile	Tyr	Ser	Val	Lys	Gln	Ser	Ser	Arg	Glu	Leu	Phe	Ser	Asp	Ser
	290					295					300				

Tyr
 305

<210> 2169
 <211> 233
 <212> PRT

<213> Mus musculus

<400> 2169

Thr	Ile	Pro	Lys	Met	Leu	Gly	Ile	Phe	Trp	Phe	Ser	Phe	Arg	Val	Ile
1				5					10					15	
Leu	Phe	Gly	Ala	Cys	Leu	Thr	Gln	Met	Phe	Phe	Ile	His	Asn	Phe	Thr
			20					25					30		
Gly	Met	Glu	Ser	Ala	Val	Leu	Leu	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val
		35					40					45			
Ala	Ile	Cys	Asn	Pro	Leu	Arg	Tyr	Ser	Thr	Ile	Leu	Thr	Asn	Lys	Ala
		50				55					60				
Val	Phe	Met	Ile	Gly	Leu	Gly	Val	Leu	Val	Arg	Ser	Phe	Leu	Ser	Val
65					70					75				80	
Ile	Pro	Phe	Val	Phe	Leu	Ile	Leu	Arg	Leu	Pro	Phe	Cys	Gly	Asn	Asn
				85					90					95	
Val	Ile	Pro	His	Thr	Tyr	Cys	Glu	His	Met	Gly	Leu	Ala	Arg	Leu	Ser
			100					105					110		
Cys	Ala	Asn	Ile	Lys	Val	Asn	Ile	Ile	Tyr	Gly	Leu	Gly	Ala	Ile	Ser
		115					120					125			
Ile	Leu	Phe	Phe	Asp	Ile	Ile	Ala	Ile	Ala	Leu	Ser	Tyr	Ala	Gln	Ile
	130					135						140			
Leu	Arg	Ala	Val	Phe	Arg	Leu	Pro	Ser	Arg	Glu	Ala	Arg	Ile	Lys	Ser
145					150					155				160	
Leu	Ser	Thr	Cys	Gly	Ser	His	Val	Cys	Val	Ile	Leu	Ala	Phe	Tyr	Thr
			165						170					175	
Pro	Ala	Leu	Phe	Ser	Phe	Met	Thr	His	Arg	Phe	Gly	Arg	Asn	Val	Pro
			180					185					190		
Arg	Tyr	Ile	His	Ile	Leu	Leu	Ala	Asn	Leu	Tyr	Val	Val	Val	Pro	Pro
	195						200					205			
Met	Leu	Asn	Pro	Val	Ile	Tyr	Gly	Val	Arg	Thr	Lys	Gln	Ile	Tyr	Asp
	210					215					220				
Arg	Val	Lys	Lys	Ile	Phe	Leu	Gln	Lys							
225					230										

<210> 2170

<211> 195

<212> PRT

<213> Mus musculus

<400> 2170

Met	Phe	Pro	Leu	Asn	Asp	Thr	Gln	Thr	Leu	Lys	Phe	Leu	Leu	Ile	Gly
1				5					10					15	
Ile	Pro	Gly	Leu	Gln	Lys	Ser	His	Ile	Trp	Val	Ser	Ile	Pro	Phe	Pro
			20					25					30		
Phe	Val	Tyr	Leu	Leu	Ser	Phe	Leu	Gly	Asn	Val	Ile	Val	Leu	Phe	Phe
		35					40					45			
Ile	Lys	Thr	Glu	Gln	Ser	Leu	His	Lys	Pro	Met	Tyr	Phe	Phe	Leu	Ser
	50					55					60				
Met	Leu	Ser	Ile	Ser	Asp	Leu	Gly	Leu	Ser	Leu	Ser	Ser	Leu	Pro	Thr
65					70					75				80	
Thr	Leu	Gly	Leu	Phe	Leu	Leu	Gly	Ile	His	Glu	Ile	His	Ala	Ala	Ala
				85					90				95		
Cys	Phe	Ala	Gln	Glu	Phe	Phe	Ile	His	Leu	Phe	Thr	Val	Thr	Glu	Ala
		100						105					110		
Ser	Val	Leu	Ser	Val	Met	Ala	Phe	Asp	Arg	Tyr	Val	Ala	Ile	His	Ser
		115					120					125			
Pro	Leu	Lys	Tyr	Ser	Thr	Ile	Leu	Thr	Ser	Ser	Arg	Val	Ile	Lys	Ile
	130					135					140				

Gly	Val	Ser	Leu	Thr	Ser	Lys	Asn	Val	Leu	Phe	Ile	Leu	Pro	Leu	Pro
145					150					155					160
Phe	Leu	Leu	Gln	Arg	Leu	Asn	Tyr	Cys	His	Asn	Leu	Leu	Ser	His	Ser
			165						170					175	
Tyr	Cys	Leu	His	Gln	Asp	Val	Met	Lys	Leu	Ala	Cys	Ser	Asp	Asn	Ser
			180					185					190		
Val	Val	Ser													
		195													

<210> 2171
 <211> 271
 <212> PRT
 <213> Mus musculus

<400> 2171															
Leu	Ser	Ile	Asn	Tyr	Phe	Phe	Trp	Pro	Gln	Ala	Ser	Leu	Phe	Ile	Phe
1				5					10					15	
Ile	Phe	Ile	Phe	Ile	Phe	Ile	Asn	Asn	Arg	Glu	Glu	Met	Ser	Pro	Leu
			20				25						30		
Pro	Gln	Pro	Lys	Thr	Cys	Leu	Leu	Arg	Gly	Gly	Ala	Ser	Cys	Ser	Ile
		35					40					45			
Ile	Leu	Pro	Cys	Leu	Leu	Leu	Glu	Pro	Ala	Ala	Leu	Arg	Phe	Arg	Ser
	50					55					60				
His	His	Val	Ile	Thr	Leu	Leu	Leu	Asp	Ser	Lys	Ile	Ile	Trp	Gln	Asn
65					70					75					80
Trp	Ala	Pro	Pro	Pro	Ser	Phe	Ile	Thr	Glu	Cys	Arg	Asn	Ser	Lys	Asn
				85					90					95	
Thr	Leu	Ser	Arg	Glu	Leu	Cys	Leu	Gly	Ser	Phe	Leu	Ile	Ser	Arg	Ser
			100					105					110		
Pro	Ala	Gln	Pro	Leu	Phe	Ser	Ser	Arg	Phe	Pro	Lys	Cys	Leu	Thr	Arg
		115					120					125			
Leu	Glu	Pro	Arg	Leu	Ser	Thr	Gly	Gln	Thr	Gln	His	Asn	Arg	Ile	Asn
	130					135					140				
Val	Val	Tyr	Gly	Leu	Cys	Ala	Ala	Leu	Ser	Thr	Met	Leu	Asp	Leu	Val
145					150					155					160
Phe	Ile	Ile	Phe	Ser	Tyr	Ile	Met	Ile	Leu	Lys	Thr	Val	Leu	Gly	Ile
			165						170					175	
Gly	Thr	Pro	Arg	Glu	Gln	Phe	Lys	Ala	Leu	Asn	Thr	Cys	Phe	Ser	His
			180					185					190		
Ile	Cys	Pro	Val	Leu	Ile	Phe	Tyr	Val	Pro	Met	Leu	Ser	Ala	Ala	Met
		195					200					205			
Leu	His	His	Phe	Ala	Lys	Asn	Val	Phe	Pro	Leu	Thr	His	Ile	Leu	Met
	210					215					220				
Ala	Asp	Val	Phe	Leu	Leu	Val	Pro	Pro	Leu	Met	Asn	Pro	Ile	Val	Tyr
225					230					235					240
Cys	Val	Lys	Thr	Cys	Gln	Ile	Arg	Glu	Lys	Ile	Leu	Arg	Lys	Leu	Cys
				245					250					255	
Ser	Lys	Lys	Lys	Leu	Ile	Gln	Gly	Arg	Arg	Lys	Gln	Ile	Lys	Val	
			260					265					270		

<210> 2172
 <211> 285
 <212> PRT
 <213> Mus musculus

<400> 2172															
Met	Thr	Leu	Ser	Leu	Met	Leu	Ala	Ser	Arg	Asn	Ser	Ser	Ser	His	Ser

1				5					10					15			
Thr	Phe	Phe	Ile	Leu	Leu	Ala	Ile	Pro	Gly	Leu	Glu	Asn	Tyr	Gln	Phe		
			20					25					30				
Val	Val	Phe	Leu	Phe	Cys	Val	Met	Tyr	Ile	Val	Ala	Val	Thr	Gly	Asn		
		35					40					45					
Thr	Thr	Ile	Leu	His	Ile	Ile	His	Ile	Asp	His	Thr	Leu	His	Glu	Pro		
	50					55					60						
Met	Tyr	Leu	Phe	Leu	Ala	Met	Leu	Ala	Thr	Thr	Asp	Leu	Val	Leu	Ser		
65					70					75					80		
Ser	Ser	Thr	Gln	Pro	Lys	Met	Leu	Ala	Ile	Leu	Trp	Phe	His	Asp	His		
			85						90					95			
Lys	Ile	Glu	Tyr	His	Ala	Cys	Leu	Ile	Gln	Val	Phe	Phe	Ile	His	Ala		
			100					105					110				
Phe	Ser	Ser	Val	Glu	Ser	Gly	Val	Leu	Met	Thr	Met	Ala	Leu	Asp	Arg		
		115					120					125					
Tyr	Val	Ala	Ile	Cys	Phe	Pro	Leu	Arg	His	Ser	Ser	Ile	Leu	Thr	Thr		
	130					135					140						
Ser	Ala	Val	Ile	Lys	Leu	Gly	Ala	Val	Val	Met	Val	Arg	Gly	Leu	Leu		
145					150					155					160		
Trp	Val	Ser	Pro	Phe	Cys	Phe	Met	Val	Ser	Arg	Met	Pro	Phe	Cys	Pro		
			165						170					175			
Asn	Lys	Val	Ile	Ser	Gln	Ser	Tyr	Cys	Asp	His	Met	Ala	Val	Phe	Lys		
		180						185					190				
Leu	Ile	Cys	Ala	Asp	Thr	Arg	Val	Asn	His	Glu	Tyr	Gly	Leu	Phe	Val		
		195					200					205					
Ala	Phe	Ser	Val	Val	Gly	Phe	Asp	Ile	Ile	Val	Ile	Ser	Val	Ser	Tyr		
	210					215					220						
Val	Met	Ile	Leu	Arg	Ala	Val	Leu	Arg	Leu	Pro	Ser	Gly	Glu	Ala	Arg		
225					230					235					240		
Leu	Lys	Ala	Phe	Gly	Thr	Cys	Ala	Ser	His	Ile	Gly	Val	Ile	Leu	Thr		
			245						250					255			
Leu	Tyr	Ile	Pro	Ala	Leu	Phe	Thr	Phe	Leu	Thr	His	Leu	Phe	Gly	His		
		260						265					270				
His	Val	Pro	Leu	Val	Val	His	Ile	Ile	Phe	Ala	Asn	Val					
	275						280					285					

<210> 2173

<211> 319

<212> PRT

<213> Mus musculus

<220>

<221> VARIANT

<222> (109)...(238)

<223> Any amino acid

<221> VARIANT

<222> (240)...(246)

<223> Any amino acid

<400> 2173

Met	Leu	Thr	Tyr	Asn	Lys	Thr	Asn	Val	His	Pro	Ser	Thr	Phe	Ile	Leu		
1				5					10					15			
Ile	Gly	Ile	Pro	Gly	Leu	Glu	Ala	Ala	His	Met	Trp	Ile	Ser	Ile	Pro		
			20					25					30				
Phe	Cys	Met	Gly	Tyr	Ile	Leu	Ala	Leu	Val	Gly	Asn	Ser	Ser	Leu	Leu		
	35						40				45						
Phe	Ile	Ile	Lys	Thr	Asp	Ser	Ser	Leu	His	Glu	Pro	Met	Tyr	Leu	Phe		

50		55		60
Leu Cys Met Leu Ala Val	Ala Asp Leu Val Val	Cys Thr Thr Ala Val		
65	70	75	80	
Pro Lys Leu Leu Ser	Leu Phe Trp Phe His	Val Gly Glu Ile Arg Phe		
	85	90	95	
Glu Ala Cys Leu Thr Gln	Val Phe Leu Ile His	Ser Xaa Xaa Xaa Xaa		
	100	105	110	
Xaa Xaa Xaa Xaa Xaa Xaa	Xaa Xaa Xaa Xaa Xaa Xaa	Xaa Xaa Xaa Xaa Xaa Xaa		
	115	120	125	
Xaa Xaa Xaa Xaa Xaa Xaa	Xaa Xaa Xaa Xaa Xaa Xaa	Xaa Xaa Xaa Xaa Xaa Xaa		
	130	135	140	
Xaa Xaa Xaa Xaa Xaa Xaa	Xaa Xaa Xaa Xaa Xaa Xaa	Xaa Xaa Xaa Xaa Xaa Xaa		
145	150	155	160	
Xaa Xaa Xaa Xaa Xaa Xaa	Xaa Xaa Xaa Xaa Xaa Xaa	Xaa Xaa Xaa Xaa Xaa Xaa		
	165	170	175	
Xaa Xaa Xaa Xaa Xaa Xaa	Xaa Xaa Xaa Xaa Xaa Xaa	Xaa Xaa Xaa Xaa Xaa Xaa		
	180	185	190	
Xaa Xaa Xaa Xaa Xaa Xaa	Xaa Xaa Xaa Xaa Xaa Xaa	Xaa Xaa Xaa Xaa Xaa Xaa		
	195	200	205	
Xaa Xaa Xaa Xaa Xaa Xaa	Xaa Xaa Xaa Xaa Xaa Xaa	Xaa Xaa Xaa Xaa Xaa Xaa		
	210	215	220	
Xaa Xaa Xaa Xaa Xaa Xaa	Xaa Xaa Xaa Xaa Xaa Xaa	Xaa Xaa Xaa Xaa Xaa Xaa		
225	230	235	240	
Xaa Xaa Xaa Xaa Xaa Xaa	Thr Cys Gly Ser His	Val Cys Val Ile Leu		
	245	250	255	
Val Phe Tyr Thr Pro Ala	Phe Phe Ser Phe Leu Thr	His Arg Phe Gly		
	260	265	270	
His Lys Val Ala Pro His	Val His Ile Leu Val Ala	Asn Met Tyr Leu		
	275	280	285	
Leu Val Pro Pro Met Leu	Asp Pro Ile Ile Tyr Gly	Val Arg Thr Lys		
	290	295	300	
Lys Ile Arg Asp Arg Phe	Leu Lys Leu Phe Leu	Phe Gln Arg Val		
305	310	315		

<210> 2174
 <211> 353
 <212> PRT
 <213> Mus musculus

<400> 2174

Met Pro Ser Phe Asn Gln Ser Ser Ala Gln His His Ser Phe Phe Phe	
1 5 10 15	
Leu Pro Gly Ile Pro Gly Leu Glu Leu Ser His Asn Trp Thr Ser Met	
	20 25 30
Ser Phe Cys Tyr Ala Ile Thr Val Ser Gly Asn Gly Ile Ile Leu Phe	
	35 40 45
Val Thr Ile Thr Glu Ser Ser Leu Pro Gly Pro Met His Tyr Phe Leu	
	50 55 60
Ser Met Leu Ser Phe Thr Asp Leu Gly Leu Cys Leu Ser Leu Leu Val	
65 70 75 80	
Thr Met Leu Ala Asn Ile Trp Ile Val Val Glu Ile Arg Leu Leu Lys	
	85 90 95
Thr Ile Phe Asn Phe Phe Glu Asn Leu Tyr Ile Tyr Thr Met Pro Phe	
	100 105 110
Asp His Met His Leu Ala Leu Pro Phe Ser Asp Ile Pro Tyr Ser Thr	
	115 120 125
Tyr Ser Val Trp Lys Glu Ser Lys Arg Trp Met Arg Arg Asn Val Val	
	130 135 140

Val	Thr	Ser	Gly	Gln	Asp	Met	Leu	Leu	Tyr	Ile	Ser	Thr	His	Arg	Glu
145					150					155					160
Tyr	Gly	Tyr	Ala	Gln	Asn	Leu	Gln	Tyr	Glu	Trp	Glu	Lys	Ser	Cys	Lys
				165					170					175	
Glu	Glu	Lys	Ser	Ala	Gln	Cys	Leu	His	Trp	Pro	Asn	Val	Ile	Tyr	Val
			180					185					190		
Phe	Ile	Phe	Met	Asp	Ser	Ser	Val	Leu	Leu	Val	Ile	Ala	Phe	Glu	Tyr
		195					200					205			
Phe	Thr	Val	Ile	Cys	Asp	Ser	Leu	Gly	Cys	Ala	Val	Ile	Ser	Thr	His
	210					215					220				
Ser	Arg	Leu	Ile	Thr	Val	Gly	Phe	Ala	His	Val	Ala	Met	Arg	Thr	Thr
225					230					235					240
Ala	Pro	Val	Leu	Leu	Leu	Leu	Phe	Lys	His	Leu	Cys	Phe	Cys	Cys	Cys
				245				250					255		
Arg	His	Met	His	Ile	Gln	Tyr	Val	Leu	Ile	Ile	His	Ser	Val	Leu	Cys
			260					265					270		
Ser	Val	Ser	Ser	Glu	Gly	Trp	Lys	Val	Leu	Gly	Ala	Cys	Leu	Ser	His
		275					280					285			
Leu	Ser	Ala	Ala	Thr	Ile	Ser	Tyr	Met	Pro	Thr	Ser	Val	Cys	Leu	Val
	290					295					300				
Gln	Arg	Phe	Arg	Lys	His	Asp	Leu	Pro	Phe	Leu	Tyr	Ile	Ser	Met	Val
305					310					315					320
Gly	Val	Cys	Leu	Leu	Ile	Pro	Ser	Met	Asn	Leu	Ile	Ile	His	His	Asn
				325					330					335	
Arg	His	Glu	Asn	Lys	Pro	Leu	Val	Lys	Phe	Ser	Phe	Thr	Ser	Tyr	Phe
			340					345					350		

Arg

<210> 2175

<211> 276

<212> PRT

<213> Mus musculus

<220>

<221> VARIANT

<222> (163)...(164)

<223> Any amino acid

<221> VARIANT

<222> (166)...(199)

<223> Any amino acid

<400> 2175

Met	Ser	Ile	Phe	Leu	Met	Ser	Asn	Leu	Ser	Thr	Ser	Arg	Phe	Val	Leu
1				5					10					15	
Thr	Gly	Phe	Pro	Gly	Leu	Glu	Phe	Tyr	Tyr	Ile	Leu	Leu	Ala	Ile	Pro
			20					25					30		
Phe	Ser	Thr	Val	Tyr	Ala	Met	Val	Phe	Leu	Gly	Asn	Cys	Met	Ile	Leu
		35					40					45			
His	Val	Ile	Arg	Thr	Glu	Ser	Ser	Leu	His	Gln	Pro	Met	Phe	Tyr	Phe
	50					55					60				
Leu	Ala	Met	Leu	Ala	Leu	Thr	Asp	Leu	Cys	Met	Gly	Leu	Ser	Thr	Val
65					70					75					80
His	Thr	Val	Leu	Gly	Ile	Leu	Trp	Gly	Phe	Leu	Gln	Glu	Ile	Ser	Leu
			85						90					95	
Asp	Ala	Cys	Ile	Ala	Gln	Ser	Tyr	Phe	Ile	His	Gly	Leu	Ser	Ile	Met
			100					105						110	

Glu	Ser	Ser	Leu	Thr	Met	Ser	Phe	Asp	Arg	Tyr	Ile	Ala	Ile	Cys	Asn	
		115					120					125				
Pro	Leu	Arg	Tyr	Ser	Ser	Ile	Leu	Thr	Asn	Asp	Arg	Ile	Leu	Lys	Ile	
	130					135					140					
Gly	Val	Ala	Ile	Leu	Cys	Val	Arg	Ser	Ser	Met	Leu	Ile	Pro	Pro	Val	
145					150					155					160	
Ile	Ile	Xaa	Xaa	Pro	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	
				165					170						175	
Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	
				180					185						190	
Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Lys	Ser	Leu	Gln	Thr	Cys	Val	Ser	His	
		195					200					205				
Ile	Ser	Ala	Val	Leu	Val	Phe	Tyr	Ile	Pro	Ile	Ile	Gly	Leu	Thr	Met	
	210					215					220					
Val	His	Arg	Phe	Gly	Lys	His	Leu	Ser	Pro	Leu	Val	Gln	Val	Leu	Met	
225					230					235					240	
Gly	Asn	Ile	Tyr	Ile	Leu	Phe	Pro	Pro	Phe	Met	Asn	Pro	Ile	Ile	Tyr	
				245					250					255		
Ser	Ile	Lys	Thr	Gln	Gln	Ile	Arg	Val	Arg	Ile	Gly	Arg	Leu	Phe	Thr	
			260					265					270			
Leu	Lys	Gly	Thr													
		275														

<210> 2176
 <211> 319
 <212> PRT
 <213> Mus musculus

<220>
 <221> VARIANT
 <222> (114)...(249)
 <223> Any amino acid

Met	Ala	Leu	Ser	Asn	Asp	Ser	Glu	Ala	Pro	Ile	Ser	Glu	Phe	Leu	Leu	
1				5					10					15		
Ile	Cys	Phe	Pro	Asn	Tyr	Gln	Thr	Trp	Gln	His	Trp	Leu	Ser	Leu	Pro	
			20					25					30			
Leu	Ser	Leu	Leu	Phe	Leu	Leu	Ala	Met	Gly	Ala	Asn	Ala	Thr	Leu	Leu	
		35					40					45				
Ile	Thr	Ile	Arg	Leu	Glu	Ala	Ser	Leu	His	Glu	Pro	Met	Tyr	Tyr	Leu	
	50					55					60					
Leu	Ser	Leu	Leu	Ser	Leu	Leu	Asp	Ile	Val	Leu	Cys	Leu	Thr	Val	Ile	
65					70					75					80	
Pro	Lys	Val	Leu	Ala	Ile	Phe	Trp	Phe	Asp	Asn	Lys	Ser	Ile	Gly	Phe	
				85					90					95		
Ser	Ser	Cys	Phe	Leu	Gln	Met	Phe	Val	Met	Asn	Ser	Phe	Leu	Thr	Met	
			100					105					110			
Glu	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	
		115					120					125				
Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Pro	Xaa	Xaa	Xaa	Xaa	Xaa	
		130					135			140						
Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	
145					150					155					160	
Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	
				165					170						175	
Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	
				180				185					190			

Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa
		195						200					205				
Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa
		210					215					220					
Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa
225					230					235							240
Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Cys	Gly	Ser	His	Phe	Ile	Leu		
				245					250					255			
Ile	Leu	Phe	Phe	Ser	Thr	Val	Leu	Leu	Val	Leu	Val	Ile	Thr	Asn	Leu		
			260					265					270				
Ala	Arg	Glu	Arg	Ile	Pro	Pro	Asp	Ile	Pro	Ile	Leu	Leu	Asn	Ile	Leu		
		275					280					285					
His	His	Leu	Ile	Pro	Pro	Ala	Leu	Asn	Pro	Ile	Val	Tyr	Gly	Val	Arg		
	290					295					300						
Thr	Arg	Glu	Ile	Lys	Gln	Gly	Ile	Gln	Asn	Leu	Leu	Arg	Arg	Leu			
305					310					315							

<210> 2177

<211> 322

<212> PRT

<213> Mus musculus

<400> 2177

Met	Glu	Leu	Asp	Pro	Ala	Val	Pro	Ala	Leu	Lys	Lys	Thr	Leu	Ser	Glu		
1				5					10					15			
Pro	Gly	Pro	Phe	Val	Leu	Leu	Gly	Val	Ala	Glu	Leu	Glu	Gly	Leu	His		
			20					25					30				
Ala	Trp	Phe	Ser	Val	Pro	Met	Ser	Leu	Leu	Tyr	Leu	Val	Gly	Met	Ile		
		35					40					45					
Gly	His	Leu	Leu	Leu	Gly	Val	Val	Ala	Val	Asp	Thr	Thr	Leu	Gln	Ala		
	50					55					60						
Pro	Met	Tyr	Gln	Leu	Leu	Gly	Leu	Leu	Ala	Ala	Ala	Asp	Leu	Ile	Leu		
65				70					75					80			
Ala	Thr	Ser	Pro	Ala	Pro	Lys	Ala	Gln	Ala	Val	Leu	Trp	Gly	Leu	Phe		
			85					90					95				
Gly	Glu	Ile	Ser	Phe	Gly	Gly	Trp	Leu	Ala	Gln	Cys	Phe	Val	Val	His		
			100					105					110				
Val	Ala	Phe	Thr	Ala	Glu	Ser	Ser	Val	Leu	Pro	Ala	Met	Ala	Met	Asp		
		115						120				125					
His	Ser	Val	Ser	Ile	Arg	Gln	Pro	Leu	Cys	Tyr	Gly	Ala	Leu	Leu	Ser		
	130					135					140						
Gln	His	Val	Val	Gly	Ile	Val	Ala	Ala	Ala	Ala	Val	Thr	His	Gly	Ala		
145					150				155					160			
Arg	Val	Met	Ala	Pro	Pro	Val	Val	Leu	Leu	Gln	Thr	Leu	Pro	His	Cys		
			165					170					175				
Gly	His	Arg	Ala	Ser	Pro	His	Thr	Tyr	Cys	Glu	His	Met	Gly	Val	Ala		
		180						185					190				
Cys	Leu	Ala	Cys	Asp	Asp	Thr	Cys	Pro	Asn	Ile	Trp	Phe	Gly	Leu	Ala		
	195						200					205					
Thr	Thr	Leu	Pro	Ser	Pro	Val	Leu	Asp	Leu	Gly	Leu	Ile	Asp	Val	Ser		
	210					215						220					
Tyr	Ala	Leu	His	Ala	Val	Ser	Arg	Leu	Leu	Cys	His	Ser	Ala	His	Tyr		
225					230					235					240		
Lys	Ala	Leu	Gly	Lys	His	Gly	Thr	His	Ala	Ala	Gly	Leu	Phe	Tyr	Lys		
			245					250					255				
Pro	Ala	Leu	Phe	Ser	Phe	Leu	Ala	Tyr	Cys	Cys	Gly	Leu	His	Thr	Ile		
		260						265				270					
Pro	Ser	His	Ile	His	Ile	Leu	Leu	Ala	Asn	Leu	Tyr	Val	Val	Val	Pro		

<210> 2179
 <211> 290
 <212> PRT
 <213> Mus musculus

<400> 2179
 Gln Phe Trp Ile Gly Phe Pro Phe Phe Thr Val Cys Leu Val Ala Leu
 1 5 10 15
 Leu Gly Asn Ile Ile Leu Leu Ile Ile Ile Pro Ala Glu Arg Ser Leu
 20 25 30
 His Gln Pro Met Tyr Ile Phe Leu Ala Val Leu Ala Ala Thr Asp Ile
 35 40 45
 Gly Leu Cys Ala Ala Ile Ala Pro Lys Met Leu Ala Ile Phe Trp Phe
 50 55 60
 Arg Ala Tyr Ser Met Ala Phe Asp Ala Cys Leu Ala Gln Leu Phe Phe
 65 70 75 80
 Ile His Thr Leu Gln Cys Met Glu Ser Gly Ile Leu Leu Ala Met Ala
 85 90 95
 Phe Asp Arg Tyr Ile Ala Ile Cys Asp Pro Leu Arg His Thr Ser Ile
 100 105 110
 Leu Thr Pro Ser Ile Leu Gly Arg Met Ile Val Val Val Ile Gly
 115 120 125
 Ala Val Val Leu Val Gly Leu Leu Pro Ile Leu Ile Lys Arg Leu His
 130 135 140
 His Phe Trp Ser Ile Gln Ile Ala His Ser Tyr Cys Glu His Met Ala
 145 150 155 160
 Val Val Lys Leu Ala Ala Asp Asp Val Gln Val Asn Lys Ile Cys Gly
 165 170 175
 Leu Phe Val Gly Phe Ser Ile Leu Gly Phe Asp Met Val Phe Ile Ile
 180 185 190
 Ile Ser Tyr Ala Leu Ile Phe Gln Ala Val Phe Arg Leu Lys Gln Lys
 195 200 205
 Glu Ala Arg Leu Lys Ala Phe Asn Thr Cys Thr Ala His Ile Phe Val
 210 215 220
 Phe Leu Glu Phe Tyr Ile Leu Ala Phe Phe Ser Phe Phe Ser His Arg
 225 230 235 240
 Phe Gly His Val Val Pro Ser Thr His Ile Leu Leu Ser Thr Ile Tyr
 245 250 255
 Leu Leu Leu Pro Pro Ala Leu Asn Pro Ile Val Tyr Gly Val Lys Asn
 260 265 270
 Met Val Ile Arg Lys Arg Val Ala Gln Ile Phe Phe Leu Asp His Ala
 275 280 285
 His Gln
 290

<210> 2180
 <211> 230
 <212> PRT
 <213> Mus musculus

<400> 2180
 Met Asp Lys Lys Asn Gln Thr Lys Val Thr Glu Ile Tyr Phe Ser Asp
 1 5 10 15
 Phe Pro Gln Phe Glu Asp Gly Gly Leu Leu Leu Phe Ile Leu Leu Leu
 20 25 30
 Cys Val Tyr Leu Phe Ile Val Val Gly Asn Ala Val Ile Phe Leu Ala
 35 40 45
 Val Gln Leu Asp Val Arg Leu His Asn Pro Met Tyr Ser Phe Ile Ser

50		55		60
Ile Phe Ser Phe Leu Glu	Ile Cys Tyr Thr Thr	Val Thr Ile Pro Gln		
65	70	75	80	
Met Leu Tyr Asn Leu Val	Ser Lys Glu Lys Thr	Ile Ser Phe Ile Gly		
	85	90	95	
Cys Leu Leu Gln Met Tyr	Phe Phe His Ser Phe	Gly Val Thr Glu Ser		
	100	105	110	
Leu Val Leu Thr Ile Met	Ala Ile Asp Arg Tyr	Val Ala Ile Cys Asn		
	115	120	125	
Pro Leu Arg Tyr Ala Ile	Ile Ile Thr Pro Lys	Leu Cys Thr Gln Leu		
	130	135	140	
Ser Thr Gly Ser Phe Thr	Leu Gly Phe Leu Met	Leu Leu Pro Glu Ile		
145	150	155	160	
Val Trp Ile Ser Thr Leu	Pro Phe Cys Gly Pro	Asn Gln Ile His Gln		
	165	170	175	
Leu Phe Cys Asp Leu Glu	Pro Met Leu Leu Leu	Ala Cys Thr Asp Thr		
	180	185	190	
Ser Met Ile Leu Val Glu	Asp Val Ile His Ala	Ile Ser Ile Leu Ser		
	195	200	205	
Cys Val Ser Ile Ile Ser	Leu Ser Tyr Leu Arg	Ile Ile Thr Arg Ile		
	210	215	220	
Leu Lys Ile Pro Ser Gly				
225	230			

<210> 2181

<211> 316

<212> PRT

<213> Mus musculus

<400> 2181

Met Asp Lys Lys Asn Gln Thr Lys Val Thr Glu Phe Tyr Phe Ser Asp	
1	5
Phe Pro Gln Phe Glu Asp Gly Gly Leu Leu Leu Phe Ile Leu Leu Leu	
	20
Cys Val Tyr Leu Phe Ile Val Val Gly Asn Ala Met Ile Phe Leu Ala	
	35
Val Gln Leu Asp Val Arg Leu His Asn Pro Met Tyr Ser Phe Ile Ser	
	50
Ile Phe Ser Phe Leu Glu Ile Cys Tyr Thr Thr Val Thr Ile Pro Gln	
65	70
Met Leu Tyr Asn Leu Val Ser Lys Glu Lys Thr Ile Ser Phe Ile Gly	
	85
Cys Leu Leu Gln Met Tyr Phe Phe His Ser Phe Gly Ile Thr Glu Gly	
	100
Leu Val Leu Thr Ile Met Ala Ile Asp Arg Tyr Val Ala Ile Cys Asn	
	115
Pro Leu Arg Tyr Ala Ile Ile Thr Pro Lys Leu Cys Thr Gln Leu	
	130
Ser Thr Gly Leu Cys Thr Leu Gly Phe Leu Met Leu Leu Pro Glu Ile	
145	150
Val Trp Ile Ser Thr Leu Pro Phe Cys Gly Pro Asn Gln Ile His Gln	
	165
Leu Phe Cys Asp Leu Glu Pro Val Leu Leu Leu Ala Cys Thr Asp Thr	
	180
Ser Met Ile Leu Val Glu Asp Ile Ile His Ala Ile Ser Ile Leu Ser	
	195
Cys Val Ser Ile Ile Ser Leu Ser Tyr Leu Arg Ile Ile Thr Val Val	
	210
	215
	220

Leu	Lys	Ile	Pro	Ser	Gly	Glu	Ser	Arg	Gln	Lys	Ala	Phe	Ser	Thr	Cys
225					230					235					240
Thr	Ala	His	Ile	Thr	Ile	Phe	Val	Leu	Phe	Phe	Gly	Ser	Val	Ser	Leu
				245					250					255	
Met	Tyr	Leu	Arg	Phe	Ser	Val	Thr	Phe	Gln	Pro	Leu	Leu	Glu	Lys	Val
			260					265					270		
Ile	Ala	Leu	Met	Phe	Ala	Val	Leu	Ala	Pro	Phe	Phe	Asn	Pro	Ile	Ile
		275					280					285			
Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Met	Lys	Lys	Ala	Ile	Lys	Glu	Met	Phe
	290					295					300				
Cys	Ser	Gln	Lys	Val	Arg	Arg	Leu	Trp	Glu	Pro	Met				
305					310					315					

<210> 2182

<211> 314

<212> PRT

<213> Mus musculus

<220>

<221> VARIANT

<222> (163)...(171)

<223> Any amino acid

<221> VARIANT

<222> (173)...(221)

<223> Any amino acid

<400> 2182

Met	Val	Ile	Lys	Gly	Leu	Gln	Val	Asp	Asn	Trp	Thr	Glu	Thr	Thr	His
1				5					10					15	
Phe	Val	Leu	Leu	Gly	Phe	Pro	Ser	Arg	Pro	Ala	Phe	Gln	Phe	Leu	Leu
			20					25					30		
Phe	Ser	Val	Phe	Leu	Val	Thr	Tyr	Leu	Leu	Thr	Leu	Ala	Glu	Asn	Leu
		35					40					45			
Leu	Ile	Ile	Leu	Ala	Ile	Arg	Ser	Asp	Gly	Gln	Leu	His	Lys	Pro	Met
	50					55					60				
Tyr	Phe	Phe	Leu	Ser	His	Leu	Ser	Phe	Leu	Glu	Met	Trp	Tyr	Val	Thr
65					70					75					80
Val	Ile	Ser	Pro	Lys	Met	Leu	Val	Asp	Phe	Leu	Ser	Lys	Asp	Lys	Ser
				85					90					95	
Ile	Ser	Phe	Asn	Gly	Cys	Met	Thr	Gln	Leu	Tyr	Phe	Phe	Val	Thr	Phe
			100					105					110		
Val	Cys	Thr	Glu	Tyr	Ile	Leu	Leu	Ala	Val	Met	Ala	Phe	Asp	Arg	Tyr
		115					120					125			
Val	Ala	Ile	Cys	Asn	Pro	Leu	Arg	Tyr	Pro	Val	Ile	Met	Thr	Asn	Gln
	130					135					140				
Leu	Cys	Gly	Val	Met	Ala	Gly	Gly	Cys	Trp	Phe	Cys	Gly	Leu	Met	Thr
145					150					155					160
Ala	Met	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	His	Xaa	Xaa	Xaa	Xaa
				165					170					175	
Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa
				180					185					190	
Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa
		195						200				205			
Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Ile	Pro	Ser
	210					215					220				
Ala	Gln	Gly	Arg	Gln	Lys	Ala	Phe	Ser	Thr	Cys	Ala	Ser	His	Leu	Thr
225					230					235					240

Val	Val	Thr	Leu	Phe	Tyr	Ser	Thr	Thr	Leu	Phe	Thr	Tyr	Ala	Arg	Pro
				245					250					255	
Lys	Leu	Met	Tyr	Ala	Tyr	Asn	Ser	Asn	Lys	Val	Val	Ser	Val	Leu	Tyr
			260					265					270		
Thr	Val	Val	Val	Pro	Leu	Leu	Asn	Pro	Ile	Ile	Tyr	Cys	Leu	Arg	Asn
			275				280					285			
Arg	Asp	Val	Lys	Met	Ala	Leu	Lys	Lys	Thr	Ile	Leu	Cys	Asn	Arg	Ser
	290					295					300				
Gly	Ser	Gly	Gly	Asp	Gly	Asp	Phe	Ser	Ser						
305					310										

<210> 2183

<211> 315

<212> PRT

<213> Mus musculus

<400> 2183

Met	Leu	Gly	Gln	Asn	Gln	Ser	Trp	Val	Ser	Glu	Phe	Ile	Leu	Ile	Gly
1				5					10					15	
Phe	Ser	Ser	Asp	Pro	Thr	Thr	Asn	Ser	Ile	Leu	Phe	Ile	Val	Phe	Leu
			20					25					30		
Leu	Ile	Tyr	Leu	Ser	Ser	Val	Leu	Gly	Asn	Gly	Leu	Ile	Ile	Met	Leu
		35					40					45			
Val	Cys	Leu	Asp	Thr	Gln	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Cys
	50					55					60				
Thr	Leu	Ser	Leu	Leu	Asp	Met	Gly	Tyr	Val	Thr	Thr	Thr	Met	Pro	Gln
65					70					75					80
Met	Leu	Val	His	Leu	Ala	His	Ser	Gln	Thr	Ile	Ser	Phe	Ala	Gly	
			85					90					95		
Cys	Trp	Leu	Gln	Met	Phe	Val	Phe	Gly	Ala	Leu	Ser	Ile	Thr	Glu	Cys
			100					105					110		
Met	Ile	Phe	Val	Ala	Met	Ser	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Tyr
		115					120					125			
Pro	Leu	Arg	Tyr	Thr	Val	Ile	Leu	Asn	Asp	Leu	Cys	Ile	Arg	Leu	Ala
	130					135						140			
Ala	Gly	Ser	Trp	Ile	Cys	Gly	Phe	Phe	Ser	Ser	Leu	Leu	Asn	Thr	Phe
145					150					155					160
Phe	Thr	Met	Ser	Leu	Pro	Tyr	Cys	Gly	Pro	Asn	Asn	Val	Asn	His	Tyr
			165						170					175	
Leu	Cys	Glu	Gly	Pro	Ser	Val	Arg	Ser	Leu	Ala	Cys	Met	Asp	Thr	His
			180					185					190		
Phe	Val	Glu	Met	Val	Asp	Leu	Val	Leu	Ser	Val	Phe	Val	Val	Val	Thr
		195					200					205			
Pro	Ile	Ser	Leu	Ile	Val	Ala	Ser	Tyr	Ile	Arg	Ile	Ala	Lys	Ala	Ile
	210					215					220				
Leu	Lys	Ile	Lys	Ser	Thr	Gln	Gly	Arg	Cys	Lys	Ala	Phe	Ser	Thr	Cys
225					230					235					240
Ala	Ser	His	Leu	Thr	Val	Val	Thr	Leu	Phe	Tyr	Leu	Pro	Ala	Thr	Tyr
			245						250					255	
Ile	Tyr	Met	Arg	Pro	Asn	Ser	Ser	Ser	Ser	Ser	Glu	Arg	Asp	Lys	Gln
		260					265						270		
Ile	Ser	Leu	Phe	Tyr	Thr	Ala	Phe	Thr	Pro	Leu	Leu	Asn	Pro	Val	Val
		275					280					285			
Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Ile	Lys	Arg	Ala	Phe	Leu	Lys	Val	Met
	290					295					300				
Leu	Tyr	Gly	Arg	Trp	Ile	Arg	Gly	Pro	Gln	Trp					
305					310					315					

<210> 2184
 <211> 180
 <212> PRT
 <213> Mus musculus

<400> 2184
 His Trp Gly Leu Cys Ile Arg Leu Ala Ala Gly Ser Trp Ile Cys Gly
 1 5 10 15
 Phe Phe Ser Ser Leu Leu His Thr Phe Phe Thr Met Ser Leu Pro Tyr
 20 25 30
 Cys Gly Pro Asn Arg Val Asn His Tyr Leu Cys Glu Gly Pro Ser Val
 35 40 45
 Arg Ser Leu Ala Cys Met Asp Thr His Ile Ile Glu Met Val Asp Leu
 50 55 60
 Val Leu Ser Val Phe Leu Val Val Thr Pro Ile Ser Leu Ile Val Ala
 65 70 75 80
 Ser Tyr Ile Arg Ile Ala Met Ala Ile Leu Lys Ile Lys Ser Thr Glu
 85 90 95
 Gly Arg Cys Lys Ala Phe Ser Thr Cys Ala Ser His Leu Thr Val Val
 100 105 110
 Thr Phe Phe Tyr Ala Pro Ala Ser Tyr Ile Tyr Met Arg Pro Asn Ser
 115 120 125
 Ser Tyr Ser Pro Glu Gln Asp Lys Gln Ile Ser Leu Phe Tyr Ser Ala
 130 135 140
 Phe Thr Pro Leu Leu Asn Pro Val Val Tyr Ser Leu Arg Asn Lys Asp
 145 150 155 160
 Ile Lys Arg Ala Phe Phe Lys Val Met Gly Tyr Asp Arg Cys Ala Ser
 165 170 175
 Gly Pro Gly Trp
 180

<210> 2185
 <211> 323
 <212> PRT
 <213> Mus musculus

<400> 2185
 Met Ala Arg Gly Asn Gln Thr Ser Ile Phe Glu Phe Leu Leu Trp Gly
 1 5 10 15
 Leu Ser Glu Gln Pro Gln Gln Gln His Ile Leu Phe Leu Val Phe Leu
 20 25 30
 Trp Met Tyr Leu Val Thr Val Ala Gly Asn Leu Leu Ile Val Leu Ala
 35 40 45
 Ile Ser Thr Asp Val Arg Leu His Thr Pro Met Tyr Phe Phe Leu Ala
 50 55 60
 Ser Leu Ser Cys Asp Asp Ile Leu Leu Val Ser Thr Ile Val Pro Lys
 65 70 75 80
 Ala Leu Val Asn Ile His Thr Gln Ser Arg Thr Ile Ser Tyr Ala Gly
 85 90 95
 Cys Leu Val Gln Leu Tyr Phe Phe Leu Thr Phe Gly Asp Met Asp Ile
 100 105 110
 Phe Leu Leu Ala Thr Met Ala Tyr Asp Arg Phe Val Ala Ile Cys His
 115 120 125
 Pro Leu His Tyr Arg Met Ile Met Ser Phe Gln Arg Cys Ser Leu Leu
 130 135 140
 Val Thr Val Cys Trp Ile Leu Thr Thr Val Val Ala Met Thr His Thr
 145 150 155 160

Phe	Leu	Ile	Phe	Trp	Phe	Ser	Phe	Tyr	Ser	Lys	Lys	Val	Ile	Pro	Gly	
				165					170					175		
Phe	Phe	Cys	Asp	Leu	Glu	Pro	Leu	Ile	Lys	Ile	Pro	Cys	Ser	Glu	Thr	
			180					185					190			
Arg	Ile	Asn	Glu	Leu	Val	Leu	Leu	Phe	Leu	Gly	Ser	Ala	Val	Val	Phe	
		195					200					205				
Ile	Leu	Leu	Leu	Leu	Ile	Leu	Val	Ser	Tyr	Ile	Gln	Ile	Val	Ser	Ala	
	210					215					220					
Ile	Phe	Arg	Val	Pro	Ser	Ala	Gln	Gly	Arg	His	Lys	Ala	Phe	Ser	Thr	
225					230					235					240	
Cys	Gly	Ser	His	Leu	Ser	Val	Val	Ala	Leu	Phe	Phe	Gly	Thr	Val	Ile	
			245						250					255		
Arg	Ala	Tyr	Leu	Cys	Pro	Ser	Ser	Ser	Ser	Asn	Ser	Val	Val	Glu		
			260					265				270				
Asp	Thr	Ala	Ala	Ala	Val	Met	Tyr	Thr	Val	Val	Thr	Pro	Leu	Leu	Asn	
		275					280					285				
Pro	Phe	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Met	Lys	Gly	Ala	Leu	Val	
	290					295					300					
Arg	Ile	Leu	Lys	Gly	Lys	Val	Pro	Phe	Ser	Trp	Ala	Gln	Gly	Leu	Leu	
305					310					315					320	
Gln	Lys	Lys														

<210> 2186
 <211> 349
 <212> PRT
 <213> Mus musculus

<220>
 <221> VARIANT
 <222> (132)...(222)
 <223> Any amino acid

<400> 2186

Met	Ala	Arg	Gly	Asn	Gln	Thr	Ser	Thr	Phe	Glu	Phe	Leu	Leu	Trp	Gly	
1				5					10					15		
Leu	Ser	Glu	Lys	Pro	Gln	Gln	Gln	His	Ile	Leu	Phe	Leu	Val	Phe	Leu	
			20					25					30			
Trp	Met	Tyr	Leu	Val	Thr	Val	Ala	Gly	Asn	Leu	Leu	Ile	Val	Leu	Ala	
		35					40					45				
Ile	Ser	Thr	Asp	Val	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ala	
	50					55					60					
Thr	Leu	Ser	Cys	Val	Asp	Ile	Leu	Phe	Thr	Ser	Thr	Thr	Val	Pro	Lys	
65					70					75					80	
Ala	Leu	Val	Asn	Ile	His	Thr	Gln	Ser	Arg	Thr	Ile	Ser	Tyr	Ala	Gly	
			85						90					95		
Cys	Leu	Val	Gln	Leu	Tyr	Phe	Phe	Leu	Thr	Phe	Gly	Asp	Met	Asp	Ile	
			100					105					110			
Phe	Leu	Leu	Ala	Thr	Met	Ala	Tyr	Asp	Arg	Phe	Val	Ala	Ile	Cys	His	
		115				120						125				
Pro	Leu	His	Tyr	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	
	130					135						140				
Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	
145					150					155					160	
Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	
			165						170					175		
Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	
			180					185						190		

Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa
		195						200					205			
Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Ser	Leu
		210						215					220			
Cys	Phe	Ser	Ser	Trp	Gly	Val	Gln	Ser	Ser	Ser	Pro	Phe	Leu	Leu	Ile	
225					230						235				240	
Leu	Met	Ser	Tyr	Ile	Arg	Ile	Val	Ser	Ala	Ile	Leu	Arg	Val	Pro	Ser	
				245						250					255	
Ala	Gln	Gly	Arg	Arg	Lys	Ala	Phe	Ser	Thr	Cys	Gly	Ser	His	Leu	Ser	
			260						265					270		
Val	Val	Ala	Leu	Phe	Phe	Gly	Thr	Val	Ile	Arg	Ala	Tyr	Leu	Cys	Pro	
		275						280					285			
Ser	Ser	Ser	Ser	Ser	Asn	Ser	Val	Val	Glu	Asp	Thr	Ala	Ala	Ala	Val	
		290					295				300					
Met	Tyr	Thr	Val	Val	Thr	Pro	Leu	Leu	Asn	Pro	Phe	Ile	Tyr	Ser	Leu	
305					310					315					320	
Arg	Asn	Lys	Asp	Met	Lys	Gly	Ala	Leu	Val	Arg	Ile	Leu	Lys	Gly	Lys	
				325					330					335		
Val	Ser	Phe	Ser	Trp	Ala	Gln	Gly	Leu	Leu	Gln	Arg	Lys				
			340					345								

<210> 2187

<211> 310

<212> PRT

<213> Mus musculus

<400> 2187

Met	Lys	Glu	Glu	Asn	Glu	Ser	Phe	Thr	Thr	Asp	Phe	Thr	Leu	Leu	Gly	
1				5					10					15		
Val	Thr	Arg	His	Arg	Glu	Gln	Glu	Tyr	Phe	Phe	Phe	Ile	Leu	Phe	Leu	
			20					25					30			
Phe	Leu	Tyr	Pro	Ile	Thr	Val	Ile	Glu	Asn	Val	Leu	Ile	Ile	Leu	Ala	
		35					40					45				
Ile	His	Ser	Asp	Thr	Arg	Leu	His	Asn	Val	Met	Tyr	Phe	Phe	Leu	Ala	
	50					55				60						
Asn	Leu	Ser	Leu	Val	Asp	Ile	Phe	Phe	Ser	Phe	Val	Thr	Ile	Pro	Lys	
65					70				75						80	
Met	Leu	Ala	Asn	His	Leu	Leu	Gly	Arg	Lys	Ala	Ile	Ser	Phe	Gly	Gly	
				85					90					95		
Cys	Met	Ser	Gln	Met	Tyr	Phe	Met	Ile	Ser	Leu	Gly	Asn	Thr	Asp	Ser	
			100					105					110			
Tyr	Ile	Leu	Ala	Pro	Lys	Ala	Tyr	Asp	Arg	Ala	Val	Ala	Ile	Ser	Cys	
		115					120					125				
Pro	Leu	His	Tyr	Ala	Thr	Ile	Met	Ser	Ser	Arg	Pro	Val	Leu	Leu	Val	
	130					135					140					
Ala	Gly	Ser	Trp	Val	Ile	Glu	Asn	Ala	Asn	Val	Leu	Pro	His	Thr	Leu	
145					150					155					160	
Leu	Thr	Ala	Tyr	Ile	Ala	Leu	Cys	Gly	Asn	Lys	Asp	Val	Ala	Asn	Phe	
				165					170					175		
Tyr	Phe	Asp	Ile	Met	Pro	Leu	Leu	Val	Ser	Cys	Ser	Asp	Ile	Cys	Phe	
		180						185					190			
Asn	Val	Lys	Met	Met	Tyr	Leu	Gly	Val	Gly	Val	Phe	Ser	Val	Pro	Leu	
		195					200					205				
Leu	Ser	Phe	Ile	Ser	Tyr	Val	Pro	Val	Phe	Ser	Ile	Val	Leu	Arg	Val	
	210					215					220					
Pro	Cys	Thr	Thr	Gly	Phe	Leu	Lys	Ala	Leu	Ser	Thr	Cys	Gly	Ser	His	
225				230						235					240	
Leu	Thr	Val	Val	Ser	Leu	Tyr	Tyr	Gly	Thr	Val	Met	Gly	Met	Tyr	Phe	

<210> 2189
 <211> 348
 <212> PRT
 <213> Mus musculus

<400> 2189
 Met Lys Glu Glu Asn Glu Ser Phe Thr Thr Asp Phe Thr Leu Leu Gly
 1 5 10 15
 Val Thr Arg Gln Arg Glu Gln Glu Tyr Phe Phe Phe Ile Leu Phe Leu
 20 25 30
 Phe Phe Tyr Pro Ile Thr Val Ile Glu Asn Val Leu Ile Ile Leu Asp
 35 40 45
 Ile Phe Phe Ser Ser Ala Thr Ile Leu Lys Met Leu Ala Asn His Leu
 50 55 60
 Leu Gly Ser Lys Ala Pro Ser Ile Ser Phe Gly Glu Cys Arg Ala Gln
 65 70 75 80
 Met Thr Phe Met Thr Ser Leu Ala Asn Thr Asp Ser Cys Ile Leu Ala
 85 90 95
 Ala Met Val Tyr Asp Arg Ser Val Ala Ile Ser Cys Ser Leu His Tyr
 100 105 110
 Ala Thr Ile Met Ser Leu Leu Cys Ala Leu Leu Asp Ala Gly Ser Trp
 115 120 125
 Val Ile Lys Ala Asn Met Leu Pro His Thr Gln Leu Thr Ala Arg Leu
 130 135 140
 Ser Phe Cys Gly Asn Lys Asp Val Ala Ile Phe Phe Phe Phe Phe Phe
 145 150 155 160
 Phe Phe Phe Asp Thr Gly Phe Ser Val Pro Trp Leu Ser Trp Asn Ser
 165 170 175
 Phe Cys Arg Thr Gly Pro Thr Gln Lys Ser Ala Cys Leu Cys Leu Ile
 180 185 190
 Ser Ala Gly Ile Lys Gly Val Cys His His Cys Leu Ala Cys Gly Asn
 195 200 205
 Phe Tyr Cys Asp Asn Met Pro Leu Leu Gln Leu Ser Cys Ser Asp Ile
 210 215 220
 Cys Phe Asn Val Lys Met Met Tyr Leu Gly Val Gly Val Phe Ser Val
 225 230 235 240
 Pro Leu Leu Tyr Ile Ile Ser Tyr Val Arg Val Phe Ser Thr Val Leu
 245 250 255
 Arg Val Pro Ser Thr Lys Gly Phe Leu Lys Ala Leu Ser Thr Cys Gly
 260 265 270
 Pro His Leu Thr Val Val Ser Leu Tyr Tyr Gly Thr Val Met Val Met
 275 280 285
 Tyr Phe Arg Pro Leu Thr Ser Tyr Ser Leu Lys His Thr Leu Ile Ile
 290 295 300
 Val Met Tyr Thr Ala Val Thr Pro Met Leu Asn Pro Leu Ile Tyr Ser
 305 310 315 320
 Leu Arg Asn Arg Asp Met Lys Thr Ala Leu Lys Lys Leu Leu His Gln
 325 330 335
 Met Gln Thr Leu Leu His Met Pro Ala Arg Phe Cys
 340 345

<210> 2190
 <211> 307
 <212> PRT
 <213> Mus musculus

<400> 2190
 Met Glu Asn Lys Thr Glu Val Thr Gln Phe Phe Leu Gln Gly Leu Ala

1				5					10					15			
Ser	Asp	Pro	Gly	Leu	Gln	Leu	Pro	Leu	Phe	Ile	Ile	Phe	Leu	Leu	Ile		
			20					25					30				
Tyr	Thr	Ile	Thr	Leu	Val	Gly	Asn	Leu	Gly	Met	Ile	Leu	Leu	Ile	Val		
		35					40					45					
Leu	Asp	Ala	His	Leu	His	Ser	Pro	Met	Tyr	Ile	Phe	Leu	Gly	Asn	Leu		
	50					55					60						
Ser	Leu	Val	Asp	Phe	Cys	Tyr	Ser	Ser	Gly	Val	Thr	Pro	Lys	Val	Met		
65					70				75						80		
Ala	Gly	Phe	Leu	Val	Gly	Asp	Lys	Val	Met	Ser	Tyr	Asn	Asp	Cys	Ala		
				85				90						95			
Ala	Gln	Met	Phe	Phe	Val	Thr	Gly	Phe	Ala	Thr	Val	Glu	Asn	Tyr	Leu		
			100					105					110				
Leu	Ala	Ser	Met	Ala	Tyr	Asp	Arg	Tyr	Ala	Ala	Val	Cys	Lys	Pro	Leu		
		115					120					125					
His	Tyr	Ala	Ser	Thr	Met	Thr	Thr	Ser	Met	Cys	Ile	Trp	Met	Ile	Ala		
	130					135					140						
Gly	Cys	Tyr	Ala	Cys	Gly	Phe	Leu	Asn	Ala	Cys	Ile	Tyr	Thr	Gly	Asp		
145					150				155						160		
Ala	Phe	Ser	Leu	Ser	Phe	Cys	Lys	Ala	Asp	Val	Val	His	His	Phe	Phe		
				165				170						175			
Cys	Asp	Ile	Pro	Ala	Val	Met	Val	Leu	Ser	Cys	Ser	Asn	Lys	His	Ile		
		180						185					190				
Asn	Glu	Leu	Val	Leu	Val	Cys	Val	Ala	Ser	Phe	Asn	Ile	Phe	Phe	Ala		
		195					200					205					
Leu	Ile	Ile	Ile	Leu	Ile	Ser	Tyr	Leu	Met	Ile	Phe	Ile	Thr	Ile	Ile		
	210					215					220						
Lys	Met	His	Ser	Ala	Ser	Gly	His	Gln	Lys	Ala	Met	Ser	Thr	Cys	Ala		
225					230				235						240		
Ser	His	Phe	Thr	Ala	Val	Phe	Ile	Phe	Tyr	Gly	Thr	Val	Ile	Phe	Met		
				245					250					255			
Tyr	Leu	Gln	Pro	Ser	Ser	Ser	His	Ala	Met	Asp	Thr	Asp	Lys	Thr	Val		
			260					265					270				
Ser	Val	Phe	Tyr	Thr	Met	Val	Ile	Pro	Leu	Leu	Asn	Pro	Leu	Val	Tyr		
		275					280					285					
Ser	Leu	Arg	Asn	Lys	Glu	Val	Lys	Ser	Ala	Phe	Arg	Lys	Ile	Ile	Phe		
	290					295					300						
Arg	Pro	Lys															
305																	

<210> 2191

<211> 307

<212> PRT

<213> Mus musculus

<400> 2191

Met	Glu	Asn	Gly	Thr	Glu	Met	Val	Arg	Phe	Ile	Leu	Met	Gly	Leu	Thr		
1				5					10				15				
Asp	Asp	Pro	Asp	Leu	Gln	Leu	Pro	Leu	Phe	Ile	Thr	Phe	Leu	Leu	Ile		
			20					25				30					
Tyr	Ile	Ile	Thr	Leu	Val	Gly	Asn	Leu	Gly	Leu	Ile	Leu	Leu	Ile	Leu		
		35					40				45						
Leu	Asp	Ser	Gln	Leu	His	Thr	Pro	Met	Tyr	Ile	Phe	Leu	Ser	Asn	Leu		
	50					55					60						
Ser	Leu	Val	Asp	Phe	Cys	Tyr	Ser	Ser	Thr	Val	Thr	Pro	Lys	Val	Met		
65					70				75						80		
Ala	Gly	Phe	Ile	Ile	Gly	Asp	Lys	Met	Met	Ser	Tyr	Asn	Ala	Cys	Ala		
				85				90						95			

Ser	Gln	Met	Phe	Phe	Phe	Ala	Asn	Phe	Ala	Asn	Val	Glu	Asn	Tyr	Leu	
			100					105					110			
Leu	Ala	Ser	Met	Ala	Tyr	Asp	Arg	Tyr	Ala	Ala	Val	Cys	Lys	Pro	Leu	
		115					120					125				
His	Tyr	Ala	Thr	Thr	Met	Thr	Thr	Arg	Val	Cys	Ala	Cys	Leu	Val	Ile	
	130					135					140					
Ser	Cys	Tyr	Ile	Cys	Gly	Phe	Leu	Asn	Ala	Ser	Ile	Tyr	Thr	Val	Asn	
145					150					155					160	
Ala	Leu	Tyr	Leu	Thr	Phe	Cys	Glu	Leu	Asn	Val	Val	His	His	Phe	Phe	
				165					170					175		
Cys	Asp	Ile	Pro	Ala	Val	Met	Ile	Ala	Ser	Cys	Ser	His	Arg	His	Ala	
		180						185					190			
Asn	Asp	Met	Val	Leu	Ile	Ser	Val	Ala	Ser	Phe	Asn	Ile	Phe	Phe	Ala	
		195					200					205				
Leu	Ile	Leu	Ile	Leu	Ile	Ser	Tyr	Thr	Phe	Ile	Phe	Thr	Asn	Ile	Leu	
	210					215					220					
Lys	Met	His	Ser	Asn	Ser	Gly	Tyr	Arg	Lys	Ala	Leu	Ser	Thr	Cys	Ala	
225					230					235					240	
Ser	His	Phe	Thr	Ala	Val	Ser	Ile	Phe	Tyr	Gly	Thr	Ile	Ile	Phe	Met	
				245					250					255		
Tyr	Leu	Gln	Pro	Arg	Ser	Ser	His	Ser	Met	Asp	Thr	Asp	Lys	Ile	Ala	
		260						265					270			
Ser	Val	Phe	Tyr	Thr	Met	Val	Ile	Pro	Met	Leu	Asn	Pro	Leu	Val	Tyr	
		275					280					285				
Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Ser	Ala	Phe	Thr	Lys	Ile	Val	Leu	
	290					295					300					
Arg	Ser	Arg														
305																

<210> 2192

<211> 317

<212> PRT

<213> Mus musculus

<400> 2192

Ile	Asn	Leu	Val	Glu	Asn	Ile	Ser	Glu	Val	Thr	Glu	Phe	Ile	Leu	Val	
1				5					10					15		
Gly	Ile	Thr	Asp	Ala	Pro	Glu	Leu	Leu	Ile	Pro	Leu	Phe	Ile	Ile	Phe	
			20					25					30			
Thr	Leu	Ile	Tyr	Leu	Ile	Ala	Leu	Phe	Gly	Asn	Leu	Gly	Met	Ile	Met	
		35					40					45				
Leu	Ile	Leu	Leu	Asp	Ser	Arg	Leu	His	Ser	Pro	Met	Tyr	Phe	Phe	Leu	
	50					55				60						
Cys	Asn	Leu	Pro	Leu	Val	Asp	Cys	Val	Tyr	Ala	Ser	Ala	Ile	Thr	Pro	
65					70				75						80	
Lys	Val	Met	Glu	Gly	Phe	Leu	Thr	Gly	Asn	Lys	Ile	Ile	Ser	Tyr	Asn	
				85					90					95		
Ala	Cys	Gly	Ala	Gln	Met	Phe	Phe	Phe	Val	Ala	Phe	Gly	Ala	Ile	Glu	
		100						105					110			
Ser	Leu	Ile	Leu	Ala	Ser	Met	Ala	Tyr	Asp	Cys	Gln	Ala	Gly	Ala	Lys	
		115					120					125				
Leu	Leu	His	Tyr	Thr	Thr	Ile	Met	Thr	Ser	Ser	Thr	Cys	Ile	Leu	Ile	
	130					135					140					
Val	Thr	Cys	Cys	Tyr	Met	Cys	Gly	Ile	Leu	Gln	Ser	Ser	Val	His	Val	
145					150					155					160	
Ala	Leu	Ala	Phe	Cys	Leu	Phe	Phe	Cys	His	Ser	Asn	Met	Ile	Asn	His	
				165					170					175		
Phe	Ser	Cys	Asp	Ile	Pro	Pro	Leu	Leu	Glu	Ile	Ser	Arg	Ser	Asp	Thr	

225					230						235					240
Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Phe	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa
				245						250					255	
Xaa	Xaa	Xaa	Xaa	Xaa	Met	Asp	Thr	Asp	Lys	Ile	Ala	Ser	Val	Phe	Tyr	
			260					265						270		
Thr	Met	Val	Ile	Pro	Met	Leu	Asn	Pro	Val	Val	Tyr	Ser	Leu	Arg	Asn	
		275					280					285				
Lys	Glu	Val	Lys	Asn	Ala	Phe	Lys	Lys	Val	Val	Glu	Arg	Leu	Met	Ser	
	290					295					300					
Ser	Phe	His	Leu	Val	His											
305					310											

<210> 2194

<211> 293

<212> PRT

<213> Mus musculus

<220>

<221> VARIANT

<222> (202)...(215)

<223> Any amino acid

<400> 2194

Met	Gly	Asn	Asn	Thr	Asp	Val	Thr	His	Phe	Leu	Leu	Leu	Gly	Leu	Thr	
1				5					10					15		
Asp	Asp	Pro	Glu	Leu	Gln	Leu	Pro	Leu	Phe	Met	Ile	Phe	Leu	Ile	Ile	
			20					25					30			
Tyr	Thr	Ile	Thr	Leu	Val	Gly	Asn	Leu	Gly	Ile	Ile	Leu	Leu	Ile	Phe	
		35				40						45				
Leu	Asp	Ser	Ser	Leu	His	Ser	Pro	Met	Tyr	Phe	Phe	Leu	Gly	Asn	Leu	
	50					55					60					
Ser	Leu	Val	Asp	Phe	Cys	Tyr	Ser	Ser	Asp	Val	Thr	Pro	Arg	Val	Met	
65					70				75					80		
Thr	Gly	Leu	Leu	Ile	Gly	Asp	Lys	Val	Ile	Ser	Tyr	Asn	Gly	Cys	Ala	
				85				90						95		
Ala	Gln	Met	Phe	Phe	Phe	Val	Ala	Phe	Ala	Thr	Val	Glu	Asn	Phe	Leu	
		100						105					110			
Leu	Ala	Ser	Met	Ala	Tyr	Asp	Arg	Tyr	Ala	Ala	Val	Cys	Lys	Pro	Leu	
		115					120					125				
His	Tyr	Ala	Thr	Thr	Met	Thr	Ser	Gly	Val	Cys	Val	Cys	Leu	Ser	Ile	
	130					135					140					
Gly	Ala	Tyr	Thr	Cys	Gly	Phe	Leu	Ile	Ala	Ser	Ile	His	Ile	Gly	Asp	
145					150				155					160		
Thr	Phe	Ser	Leu	Ser	Phe	Cys	Gly	Ser	Asn	Val	Val	His	His	Phe	Phe	
				165				170						175		
Cys	Asp	Ile	Pro	Ala	Val	Met	Ile	Leu	Ser	Cys	Ser	Asp	Arg	His	Val	
			180					185					190			
Ser	Glu	Leu	Val	Leu	Phe	Tyr	Val	Gly	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	
		195					200					205				
Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Val	Glu	Leu	Ile	Ser	Leu	Ile	Ile	Val	
		210					215					220				
Phe	Cys	His	Leu	Pro	Ile	Lys	Phe	Gln	Asn	Gly	Phe	His	Ile	Ser	Ala	
225					230					235					240	
Cys	Gln	His	Arg	Ser	Ile	Glu	Lys	Gly	Leu	Tyr	Ile	Gln	Glu	Ile	Met	
				245					250					255		
Arg	Ile	Phe	Leu	Ser	Phe	Lys	Asn	Thr	Ser	Val	Lys	Ile	Met	Cys	Ile	
			260					265					270			
Leu	Phe	Trp	Met	Ile	Cys	Met	Ser	Ser	Tyr	Ser	Gln	Asp	Asn	Val	Glu	

275
Lys Asp Phe Lys Asn
290

280

285

<210> 2195
<211> 308
<212> PRT
<213> Mus musculus

<400> 2195
Met Glu Asn Asn Thr Glu Val Thr His Phe Leu Leu Leu Gly Leu Thr
1 5 10 15
Asp Asp Pro Glu Leu Gln Leu Pro Leu Phe Met Ile Leu Leu Ile Ile
20 25 30
Tyr Thr Ile Thr Leu Val Gly Asn Leu Gly Lys Ile Leu Leu Ile Phe
35 40 45
Leu Asp Ser Cys Leu His Thr Pro Met Tyr Phe Phe Leu Gly Asn Leu
50 55 60
Ser Leu Val Asp Phe Cys Tyr Ser Ser Asp Val Thr Pro Lys Val Met
65 70 75 80
Ser Gly Leu Leu Lys Gly Asp Lys Val Ile Ser Tyr Asn Gly Cys Ala
85 90 95
Ala Gln Met Phe Phe Phe Val Ala Phe Ala Thr Val Glu Asn Phe Leu
100 105 110
Leu Ala Ser Met Ala Tyr Asp Arg Tyr Ala Ala Val Cys Lys Pro Leu
115 120 125
His Tyr Ala Thr Thr Met Thr Ser Gly Val Cys Val Cys Leu Ser Ile
130 135 140
Gly Ser Tyr Ala Cys Gly Phe Leu Ile Ala Ser Ile His Ile Gly Asp
145 150 155 160
Thr Phe Asn Leu Ser Phe Cys Arg Ser Asn Val Val His His Phe Phe
165 170 175
Cys Asp Ile Pro Ala Val Met Ile Leu Ser Cys Ser Asp Arg His Val
180 185 190
Ser Glu Leu Val Leu Phe Tyr Val Gly Ser Phe Ser Ile Phe Phe Leu
195 200 205
Leu Ser Leu Val Ile Cys Ile Ser Tyr Ile Phe Ile Phe Ile Thr Ile
210 215 220
Phe Lys Met His Ser Asn Ala Gly Tyr Gly Lys Ala Val Ser Thr Cys
225 230 235 240
Ala Ala His Phe Thr Ala Val Ser Ile Phe Tyr Gly Thr Gly Ile Phe
245 250 255
Met Tyr Leu Gln Pro Ser Ser Ser His Ser Met Asp Thr Asp Lys Ile
260 265 270
Thr Ser Val Phe Tyr Thr Met Ile Ile Pro Met Leu Asn Pro Leu Val
275 280 285
Tyr Ser Met Arg Asn Lys Glu Val Lys Arg Ala Phe Thr Asn Val Phe
290 295 300
His Lys Ala Lys
305

<210> 2196
<211> 289
<212> PRT
<213> Mus musculus

<220>

<221> VARIANT
 <222> (151)...(154)
 <223> Any amino acid

<221> VARIANT
 <222> (156)...(157)
 <223> Any amino acid

<400> 2196

Met	Thr	Pro	Leu	Lys	Asn	Trp	Thr	Glu	Val	Thr	His	Phe	Leu	Leu	Leu
1				5				10					15		
Gly	Leu	Thr	Asp	Asp	Pro	Gly	Leu	Gln	Leu	Pro	Leu	Phe	Ile	Ile	Phe
			20				25					30			
Leu	Leu	Ile	Tyr	Ile	Phe	Thr	Leu	Val	Gly	Asn	Leu	Gly	Leu	Ile	Leu
		35				40					45				
Leu	Ile	Leu	Leu	Asp	Ser	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu
	50					55					60				
Gly	Asn	Leu	Ser	Leu	Val	Asp	Val	Phe	Tyr	Ser	Ser	Ala	Ile	Thr	Pro
65				70					75						80
Lys	Val	Met	Ala	Gly	Leu	Leu	Leu	Gly	Asp	Lys	Ile	Ile	Ser	Tyr	Asn
			85					90					95		
Ser	Cys	Ala	Ala	Gln	Met	Phe	Val	Phe	Ala	Thr	Phe	Ala	Thr	Val	Glu
		100					105					110			
Asn	Tyr	Leu	Leu	Ala	Ser	Met	Ala	Tyr	Asp	Arg	Tyr	Ala	Ala	Val	Cys
		115				120						125			
Lys	Pro	Leu	His	Tyr	Ala	Thr	Thr	Met	Thr	Pro	Ser	Val	Cys	Met	Cys
	130					135					140				
Leu	Ile	Met	Gly	Cys	Tyr	Xaa	Xaa	Xaa	Xaa	Phe	Xaa	Xaa	Phe	Cys	Asp
145				150						155					160
Met	Pro	Ala	Leu	Met	Ala	Leu	Ser	Cys	Ser	Asp	Arg	His	Ile	Asn	Glu
			165						170				175		
Leu	Val	Leu	Ile	Tyr	Leu	Ala	Ser	Phe	Thr	Leu	Phe	Phe	Ala	Leu	Ile
		180						185					190		
Ile	Ile	Leu	Val	Ser	Tyr	Thr	Ile	Ile	Phe	Ile	Thr	Ile	Leu	Asn	Met
	195					200						205			
His	Thr	Gly	Ala	Gly	Leu	Gln	Lys	Ala	Ile	Ser	Thr	Cys	Ala	Ser	His
	210					215					220				
Phe	Ile	Ala	Val	Phe	Ile	Phe	Tyr	Gly	Thr	Thr	Ile	Phe	Met	Tyr	Leu
225				230						235					240
Gln	Pro	Ser	Ser	Arg	His	Ser	Met	Asp	Thr	Asp	Lys	Ile	Val	Ser	Val
			245					250					255		
Phe	Tyr	Thr	Met	Val	Ile	Pro	Met	Leu	Asn	Pro	Leu	Val	Tyr	Ser	Leu
		260						265				270			
Arg	Asn	Lys	Glu	Val	Lys	Ser	Ala	Phe	Met	Lys	Trp	Ile	Leu	Lys	Glu
	275					280						285			

Lys

<210> 2197
 <211> 314
 <212> PRT
 <213> Mus musculus

<400> 2197

Met	Lys	Lys	Asn	Ile	Glu	Glu	Ser	Glu	Phe	Ile	Leu	Leu	Gly	Leu	Thr
1			5					10					15		
Lys	Ser	Pro	Glu	Leu	Gln	Val	Leu	Leu	Leu	Met	Ile	Leu	Thr	Phe	Ile
		20					25					30			

Tyr	Ala	Ile	Thr	Leu	Thr	Gly	Asn	Leu	Gly	Met	Phe	Leu	Leu	Ile	Leu
	35						40					45			
Leu	Asp	Ala	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Arg	Asn	Leu
	50					55					60				
Ser	Leu	Val	Asp	Phe	Gly	Ser	Ser	Ser	Thr	Val	Thr	Pro	Lys	Val	Met
65					70					75					80
Ala	Gly	Leu	Leu	Thr	Gly	Ser	Asn	Val	Ile	Ser	Tyr	Asn	Thr	Tyr	Ala
				85					90					95	
Val	Leu	Met	Phe	Phe	Phe	Val	Phe	Phe	Ala	Thr	Val	Asp	Ser	Tyr	Leu
			100					105				110			
Leu	Ala	Ser	Ile	Ser	Met	Ala	Tyr	Asp	Gly	Tyr	Ala	Ala	Val	Cys	Lys
		115					120					125			
Pro	Leu	His	Tyr	Thr	Thr	Thr	Met	Thr	Lys	Gly	Val	Cys	Thr	Cys	Leu
	130					135						140			
Ala	Ile	Ser	Ser	Tyr	Ile	Phe	Gly	Ile	Leu	Asn	Ala	Ser	Ile	Gln	Ile
145					150					155					160
Ile	Phe	Gly	Leu	Pro	Phe	Cys	Gly	Tyr	Asn	Val	Ile	Asn	His	Leu	Phe
				165					170					175	
Cys	Asp	Ile	Pro	Ala	Val	Arg	Ile	Leu	Ala	Cys	Ser	Asp	Lys	His	Val
			180					185					190		
Asn	Glu	Met	Ile	Leu	Ile	Leu	Val	Ser	Ser	Phe	His	Ile	Ile	Phe	Val
		195					200					205			
Phe	Leu	Val	Ile	Leu	Ile	Ser	Tyr	Leu	Leu	Ile	Phe	Leu	Tyr	Ile	Leu
	210					215					220				
Lys	Met	His	Ser	Ser	Glu	Gly	Tyr	His	Lys	Ala	Phe	Ser	Thr	Cys	Ala
225					230					235					240
Ser	His	Val	Thr	Ala	Val	Phe	Thr	Phe	Tyr	Gly	Thr	Val	Thr	Ile	Val
				245					250					255	
Tyr	Leu	Lys	Pro	Ser	Ala	Asn	His	Ser	Ile	Asp	Thr	Asp	Lys	Phe	Val
			260					265					270		
Ser	Val	Ile	Tyr	Thr	Met	Val	Ile	Pro	Met	Leu	Asn	Pro	Met	Val	Tyr
		275					280					285			
Ser	Leu	Thr	Asn	Lys	Glu	Val	Lys	Asn	Ala	Leu	Lys	Asn	Ile	Phe	Gln
	290					295					300				
Lys	Ala	Lys	Leu	Tyr	Val	Tyr	Met	Leu	Tyr						
305					310										

<210> 2198

<211> 369

<212> PRT

<213> Mus musculus

<400> 2198

Met	Thr	Met	Met	Glu	Asn	Arg	Thr	Glu	Val	Thr	Gln	Phe	Ile	Leu	Ser
1				5					10					15	
Arg	Leu	Thr	Asp	Asp	Pro	Ser	Leu	Gln	Leu	Pro	Leu	Phe	Ile	Thr	Phe
			20					25					30		
Leu	Leu	Ile	Tyr	Ile	Leu	Ile	Leu	Gly	Met	Ile	Leu	Leu	Phe	Ile	Leu
		35					40					45			
Asp	Ser	Trp	Leu	Tyr	Ile	Pro	Met	Tyr	Phe	Phe	Leu	Gly	Asn	Pro	Ser
	50					55				60					
Leu	Gly	Asp	Leu	Ser	Tyr	Ser	Ser	Tyr	Ile	Thr	Pro	Lys	Val	Met	Asp
65					70					75					80
Gly	Ser	Leu	Ile	Gly	Asp	Asn	Val	Ser	Leu	Ser	Tyr	Asn	Asp	Cys	Ala
				85					90					95	
Asp	Gln	Met	Phe	Phe	Ala	Ala	Gly	Phe	Ala	Ser	Val	Glu	Asn	Tyr	Leu
			100				105						110		
Ala	Ser	Ala	Gly	Tyr	Asp	Cys	Tyr	Ala	Lys	Leu	Cys	Lys	Leu	Leu	His

Met	Val	Met	Gly	Ser	Tyr	Thr	Ala	Gly	Ile	Met	Gly	Ser	Leu	Ser	Gln
145					150					155					160
Val	Cys	Ala	Leu	Leu	Gln	Leu	His	Phe	Cys	Gly	Pro	Asn	Val	Ile	Arg
				165					170						175
His	Phe	Phe	Cys	Asp	Met	Pro	Gln	Leu	Leu	Asn	Leu	Ser	Cys	Thr	Asp
			180					185					190		
Thr	Phe	Phe	Ala	Gln	Val	Val	Leu	Leu	Ile	Leu	Thr	Met	Leu	Phe	Cys
		195					200					205			
Ile	Ser	Asn	Ala	Leu	Val	Ile	Ile	Ile	Ser	Tyr	Gly	Tyr	Ile	Val	Leu
	210					215					220				
Ser	Ile	Leu	Lys	Ile	Thr	Ser	Ala	Lys	Gly	Arg	Ser	Lys	Ala	Phe	Asn
225					230					235					240
Thr	Cys	Ala	Ser	His	Leu	Thr	Ala	Val	Ser	Leu	Phe	Tyr	Thr	Ser	Ser
				245					250						255
Ala	Phe	Val	Tyr	Leu	Ser	Ser	Ser	Ser	Gly	Gly	Ser	Ser	Ser	Phe	Asp
			260					265					270		
Arg	Phe	Val	Ser	Val	Phe	Tyr	Thr	Val	Leu	Ile	Pro	Met	Leu	Asn	Pro
		275					280					285			
Leu	Val	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Ile	Lys	Asp	Ala	Gly	Lys	Arg
	290					295					300				
Leu	Gln	Lys	Lys	Leu	Gly	Cys	Cys								
305					310										

<210> 2200

<211> 319

<212> PRT

<213> Mus musculus

<400> 2200

Met	Ala	Gly	Gly	Arg	Asn	Ser	Thr	Val	Val	Thr	Arg	Phe	Ile	Leu	Leu
1				5					10					15	
Gly	Phe	Ser	Asp	Gln	Pro	Gln	Met	Lys	Ile	Phe	Leu	Phe	Met	Leu	Phe
			20					25				30			
Leu	Gly	Ile	Tyr	Ile	Leu	Thr	Leu	Ala	Trp	Asn	Leu	Ser	Leu	Ile	Thr
		35					40					45			
Leu	Ile	Arg	Met	Asp	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu
	50					55					60				
Ser	Asn	Leu	Ser	Phe	Leu	Asp	Ile	Cys	Tyr	Ser	Ser	Ser	Thr	Ala	Pro
65					70				75						80
Lys	Met	Leu	Ser	Asp	Ile	Val	Thr	Asp	Lys	Asn	Thr	Ile	Ser	Phe	Leu
				85					90					95	
Gly	Cys	Ala	Thr	Gln	Tyr	Phe	Val	Phe	Cys	Gly	Met	Gly	Leu	Thr	Glu
			100					105				110			
Cys	Leu	Leu	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Thr	Ala	Val	Cys
		115					120					125			
Asn	Pro	Leu	Leu	Tyr	Met	Ala	Leu	Met	Ser	His	Thr	Leu	Cys	Leu	Lys
	130					135					140				
Leu	Val	Ala	Gly	Ala	Tyr	Met	Gly	Gly	Phe	Leu	Ser	Ser	Leu	Ile	Ala
145					150					155					160
Thr	Cys	Ser	Ile	Tyr	Gln	His	Asp	Phe	Cys	Gly	Pro	Asn	Ile	Ile	Asn
				165					170						175
His	Phe	Phe	Cys	Asp	Leu	Pro	Pro	Val	Leu	Ala	Leu	Ala	Cys	Ser	Asp
			180					185					190		
Ile	Phe	Thr	Ser	Gln	Val	Val	Thr	Phe	Ile	Leu	Gly	Val	Ile	Val	Gly
		195					200					205			
Val	Met	Ser	Val	Leu	Val	Val	Leu	Ile	Ser	Tyr	Gly	Tyr	Ile	Ile	Ala
	210					215					220				
Ala	Val	Leu	Arg	Ile	Asn	Ser	Ala	Lys	Gly	Arg	Thr	Lys	Ala	Phe	Ser

225					230					235				240
Thr	Ser	Ala	Ser	His	Leu	Thr	Ala	Val	Thr	Leu	Phe	Tyr	Gly	Ser Gly
				245					250					255
Leu	Phe	Met	Tyr	Met	Arg	Pro	Asn	Ser	Ser	Tyr	Ser	Leu	Gly	Gln Asp
			260					265					270	
Lys	Val	Ala	Ser	Val	Phe	Tyr	Ala	Val	Val	Val	Pro	Met	Met	Asn Pro
		275					280				285			
Ile	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Ile	Lys	Asn	Ala	Val	Arg Lys
	290					295					300			
Ala	Val	Glu	Arg	Asp	Ser	Met	Leu	Ser	His	Gly	Tyr	Ser	Phe	Phe
305					310					315				

<210> 2201
 <211> 294
 <212> PRT
 <213> Mus musculus

<220>
 <221> VARIANT
 <222> (158)...(164)
 <223> Any amino acid

<400> 2201

Val	Ile	Ile	Tyr	Pro	Val	Phe	Thr	Glu	Leu	Val	Cys	Pro	Ser	Pro	Leu
1				5					10					15	
Asp	Glu	Lys	Leu	Ser	Arg	Glu	Ala	Ile	Leu	Phe	Ala	Tyr	Met	Met	Leu
			20					25				30			
Ser	Thr	Pro	Pro	Leu	Tyr	Val	Ile	Ser	Lys	Ile	Ser	Leu	Ser	Pro	Thr
		35				40					45				
Ala	Phe	Ile	Pro	Ser	Ser	Leu	Ser	His	Ala	Ser	Cys	Ser	Phe	Tyr	Ala
	50					55					60				
Gly	Lys	Ala	Arg	Ala	Gln	Asn	Cys	Cys	Arg	Glu	Asn	Phe	Gly	Phe	Phe
65				70					75					80	
Lys	Asn	Thr	Asp	Lys	Leu	Ser	Glu	Tyr	Ile	Phe	Val	Ser	Ile	Pro	Asp
			85					90					95		
Val	Gly	Tyr	Trp	Gly	Ala	Ser	Gly	Cys	Pro	His	Gln	Leu	Thr	Thr	Leu
			100				105					110			
Ser	Ser	Ala	Leu	Ala	Gly	Val	Ser	Tyr	Leu	Pro	Ala	Glu	Asp	Ser	Leu
		115				120						125			
Cys	Leu	Glu	Phe	Trp	Gly	Leu	Leu	Arg	Glu	Phe	Glu	Asn	Thr	Asn	Ala
	130					135					140				
Glu	Gly	Leu	Ala	Ala	Val	Val	Pro	Leu	Gln	Val	Leu	Leu	Xaa	Xaa	Xaa
145					150				155					160	
Xaa	Xaa	Xaa	Xaa	Pro	Leu	Ser	Cys	Ser	Asp	Pro	Phe	Ile	Ser	Gln	Leu
			165					170					175		
Val	Leu	Phe	Leu	Ala	Ala	Leu	Phe	Val	Gly	Phe	Gly	Ser	Phe	Leu	Val
		180					185					190			
Ile	Ile	Phe	Ser	Tyr	Val	Phe	Ile	Ala	Val	Ser	Ile	Leu	Lys	Val	Ala
	195					200					205				
Ser	Phe	Lys	Gly	Arg	Val	Lys	Ala	Phe	Lys	Thr	Cys	Gly	Ser	His	Leu
	210				215					220					
Ala	Ala	Val	Thr	Leu	Phe	Tyr	Gly	Thr	Val	Phe	Ser	Val	Tyr	Met	His
225				230					235					240	
His	Ser	Ser	Gln	His	Ser	Thr	Lys	Gln	Asp	Lys	Val	Leu	Ser	Val	Val
			245					250					255		
Tyr	Thr	Ile	Leu	Ile	Pro	Met	Val	Asn	Pro	Leu	Ile	Tyr	Ser	Leu	Arg
		260					265					270			
Asn	Thr	Glu	Ile	Lys	Glu	Ala	Leu	Lys	Arg	Val	Leu	Lys	Lys	Ala	Ala

275
His Leu Pro Gln Lys Ala
290

280

285

<210> 2202
<211> 302
<212> PRT
<213> Mus musculus

<400> 2202
Phe Ser Trp Gly Phe Pro Gly Ser Trp Glu Glu Gln Ile Phe Leu Phe
1 5 10 15
Val Leu Phe Leu Val Phe Tyr Val Leu Thr Leu Leu Gly Asn Gly Ala
20 25 30
Ile Ile Cys Ala Val Arg Cys Asp Ser Arg Leu His Thr Pro Met Tyr
35 40 45
Phe Leu Leu Gly Asn Phe Ala Phe Leu Glu Ile Trp Tyr Val Ser Ser
50 55 60
Thr Thr Pro Asn Thr Leu Ala Asn Ile Leu Ser Lys Thr Lys Thr Ile
65 70 75 80
Ser Phe Ser Gly Cys Phe Leu Gln Phe Tyr Phe Phe Phe Ser Leu Gly
85 90 95
Thr Thr Glu Cys Phe Leu Leu Thr Val Met Ala Tyr Asp Arg Tyr Leu
100 105 110
Ala Ile Cys Arg Pro Leu His Tyr Pro Thr Ile Met Thr Arg Arg Leu
115 120 125
Cys Cys Ile Leu Val Ser Ser Cys Trp Leu Ile Gly Phe Leu Gly Tyr
130 135 140
Pro Ile Pro Val Phe Ser Ile Ser Gln Leu Pro Phe Cys Gly Ser Asn
145 150 155 160
Ile Ile Asp His Phe Leu Cys Asp Met Asp Pro Leu Met Ala Leu Ser
165 170 175
Cys Val Pro Ala Pro Ile Thr Lys Leu Met Leu Tyr Val Gln Asn Ser
180 185 190
Leu Phe Leu Phe Phe Thr Ile Ala Tyr Ile Leu Gln Ser Tyr Ile Leu
195 200 205
Leu Leu Lys Ala Ile Phe Gln Val Pro Ser Ala Ala Gly Arg Arg Lys
210 215 220
Ala Phe Ser Thr Cys Gly Ser His Leu Val Val Val Ser Leu Phe Tyr
225 230 235 240
Gly Thr Val Met Ile Met Tyr Met Ser Pro Thr Tyr Gly Ile Ser Thr
245 250 255
Leu Met Gln Lys Ile Leu Thr Leu Val Tyr Ser Val Met Thr Pro Leu
260 265 270
Phe Asn Pro Leu Ile Tyr Ser Leu Arg Asn Lys Asp Met Lys Leu Ala
275 280 285
Leu Arg Lys Val Leu Leu Gly Met Arg Ile Val Lys Asn Ile
290 295 300

<210> 2203
<211> 318
<212> PRT
<213> Mus musculus

<220>
<221> VARIANT
<222> (177)...(183)

<223> Any amino acid

<400> 2203

Met	Lys	Thr	Leu	Asn	Ser	Pro	Ser	Asn	Ser	Ser	Thr	Ile	Thr	Gly	Phe
1				5					10					15	
Ile	Leu	Leu	Gly	Phe	Pro	Cys	Pro	Arg	Glu	Gly	Gln	Ile	Leu	Leu	Phe
			20					25					30		
Val	Thr	Phe	Phe	Val	Val	Tyr	Leu	Leu	Ile	Leu	Met	Gly	Asn	Ala	Ser
		35					40					45			
Ile	Ile	Cys	Ala	Val	Tyr	Cys	Asp	Gln	Arg	Leu	His	Thr	Pro	Met	Tyr
	50					55					60				
Leu	Leu	Leu	Ala	Asn	Phe	Ser	Phe	Leu	Glu	Ile	Trp	Tyr	Val	Thr	Ser
65				70						75					80
Thr	Val	Pro	Asn	Met	Leu	Ala	Asn	Phe	Leu	Ser	Asp	Thr	Lys	Val	Ile
			85						90					95	
Ser	Phe	Ser	Gly	Cys	Phe	Leu	Gln	Phe	Tyr	Phe	Phe	Phe	Ser	Phe	Gly
			100					105					110		
Ser	Thr	Glu	Cys	Phe	Phe	Leu	Ala	Val	Met	Ala	Phe	Asp	Arg	Tyr	Leu
		115					120					125			
Ala	Ile	Cys	Arg	Pro	Leu	His	Tyr	Pro	Ser	Leu	Met	Thr	Arg	His	Leu
	130					135					140				
Cys	Asn	Thr	Leu	Val	Ile	Ser	Cys	Trp	Val	Leu	Gly	Phe	Leu	Trp	Phe
145				150						155					160
Pro	Val	Pro	Ile	Ile	Ile	Ile	Ser	Gln	Met	Ser	Phe	Trp	Trp	Val	Gln
			165						170					175	
Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Ile	Ile	Asp	His	Phe	Leu	Cys	Asp	Pro
			180						185				190		
Gly	Pro	Leu	Leu	Ala	Leu	Ala	Cys	Ser	Arg	Ala	Pro	Leu	Met	Glu	Val
		195					200					205			
Phe	Trp	Thr	Ile	Ile	Met	Ser	Ile	Leu	Leu	Val	Ile	Pro	Phe	Leu	Phe
	210					215					220				
Ile	Met	Gly	Ser	Tyr	Ile	Leu	Val	Leu	Arg	Thr	Val	Phe	Arg	Leu	Pro
225					230					235					240
Ser	Arg	Asp	Gly	Gln	Lys	Lys	Ala	Phe	Ser	Thr	Cys	Gly	Ser	His	Val
			245						250					255	
Thr	Val	Val	Ser	Leu	Phe	Tyr	Gly	Ser	Val	Met	Ile	Met	Tyr	Met	Ser
			260					265					270		
Pro	Thr	Ser	Gly	His	Glu	Ala	Gly	Met	Gln	Lys	Ile	Val	Thr	Leu	Phe
		275					280					285			
Tyr	Ser	Val	Gly	Thr	Pro	Leu	Leu	Asn	Pro	Val	Ile	Tyr	Ser	Leu	Arg
	290					295					300				
Asn	Lys	Asp	Met	Lys	Asn	Ala	Leu	Gln	Lys	Ile	Leu	Arg	Thr		
305					310					315					

<210> 2204

<211> 142

<212> PRT

<213> Mus musculus

<400> 2204

Met	Asn	Val	Ser	Glu	Gly	Ser	Thr	Val	Thr	Tyr	Phe	Val	Leu	Leu	Gly
1				5					10					15	
Phe	Pro	Gly	Pro	Trp	Lys	Ile	Gln	Ile	Thr	Leu	Phe	Ser	Leu	Ile	Leu
			20					25					30		
Leu	Leu	Tyr	Met	Ile	Thr	Leu	Thr	Gly	Asn	Met	Ala	Ile	Ile	Cys	Ala
		35					40					45			
Val	Arg	Trp	Asn	Gln	Gln	Leu	His	Thr	Pro	Met	Tyr	Met	Phe	Leu	Ala
	50					55					60				

Asn	Phe	Ser	Phe	Leu	Glu	Ile	Trp	Tyr	Val	Thr	Cys	Thr	Val	Pro	Asn
65					70					75				80	
Met	Leu	Val	Asn	Ser	Leu	Ser	Lys	Thr	Lys	Thr	Ile	Ser	Phe	Thr	Gly
			85						90					95	
Cys	Phe	Thr	Gln	Phe	Tyr	Phe	Phe	Phe	Ser	Leu	Gly	Thr	Thr	Glu	Cys
			100					105					110		
Phe	Phe	Leu	Cys	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Leu	Thr	Ile	Cys	Tyr
		115					120					125			
Pro	Leu	His	Tyr	Pro	Ser	Ile	Met	Thr	Arg	Gln	Phe	Cys	Ser		
	130					135					140				

<210> 2205

<211> 304

<212> PRT

<213> Mus musculus

<220>

<221> VARIANT

<222> (81)...(90)

<223> Any amino acid

<400> 2205

Met	Asn	Ser	Ser	Ser	Thr	Ser	Asp	Phe	Ile	Leu	Leu	Gly	Leu	Ser	Thr
1				5					10					15	
Asn	Pro	Trp	Met	Gln	Lys	Pro	Leu	Phe	Gly	Ile	Phe	Ile	Ile	Met	Tyr
			20					25					30		
Leu	Val	Thr	Val	Met	Gly	Asn	Val	Leu	Ile	Ile	Leu	Val	Ile	Arg	Ser
		35				40						45			
Asp	Ser	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser	Asn	Leu	Ser
	50					55					60				
Phe	Met	Asp	Ile	Cys	Phe	Thr	Thr	Val	Ile	Val	Pro	Lys	Met	Leu	Val
65					70					75					80
Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Cys	Leu	Val	Gln	Met	Tyr
			85						90					95	
Phe	Phe	Leu	Ala	Leu	Ala	Asn	Thr	Asp	Ser	Tyr	Leu	Leu	Ala	Ser	Met
			100					105					110		
Ala	Ile	Asp	Arg	Leu	Val	Ala	Ile	Cys	Asn	Pro	Leu	His	Tyr	Asp	Val
		115					120					125			
Val	Met	Arg	Ser	Gln	Arg	Cys	Leu	Leu	Met	Leu	Leu	Gly	Ser	Cys	Thr
	130					135					140				
Ile	Ser	His	Leu	His	Ala	Leu	Phe	Arg	Val	Leu	Leu	Met	Ser	Arg	Leu
145				150						155					160
Ser	Phe	Cys	Ala	Ser	His	Val	Ile	Lys	His	Phe	Phe	Cys	Asp	Thr	Gln
			165						170					175	
Pro	Val	Leu	Lys	Leu	Ser	Cys	Ser	Asp	Thr	Ser	Ser	Ser	Gln	Ile	Val
			180					185					190		
Val	Met	Thr	Glu	Thr	Leu	Ala	Val	Ile	Val	Thr	Pro	Phe	Leu	Cys	Ile
		195					200					205			
Leu	Phe	Ser	Tyr	Met	Lys	Ile	Ile	Val	Thr	Val	Leu	Arg	Ile	Pro	Ser
	210					215					220				
Ala	Ala	Gly	Lys	Trp	Lys	Ala	Phe	Ser	Thr	Cys	Gly	Ser	His	Leu	Thr
225					230					235					240
Val	Val	Ala	Leu	Phe	Tyr	Gly	Ser	Val	Ile	Tyr	Val	Tyr	Phe	Arg	Pro
			245						250					255	
Leu	Ser	Met	Tyr	Ser	Val	Val	Lys	Asp	Arg	Ile	Ala	Thr	Val	Met	Tyr
			260					265					270		
Thr	Val	Val	Thr	Pro	Met	Met	Asn	Pro	Phe	Ile	Tyr	Ser	Leu	Arg	Asn
		275					280					285			

Lys Asp Met Lys Arg Gly Leu Arg Lys Leu Lys Asp Arg Leu His Ser
 290 295 300

<210> 2206
 <211> 297
 <212> PRT
 <213> Mus musculus

<220>
 <221> VARIANT
 <222> (255)...(285)
 <223> Any amino acid

<400> 2206
 Met Leu Arg Glu Asn Gln Ser His Met Thr Glu Phe Leu Leu Leu Gly
 1 5 10 15
 Leu Thr Ser Asn Pro Lys Gln Gln Val Trp Leu Phe Ala Ser Phe Leu
 20 25 30
 Ala Met Tyr Leu Val Asn Val Ile Gly Asn Ser Val Ile Ile Ala Ser
 35 40 45
 Ile Gln Arg Asp Ala Arg Leu His Thr Pro Met Tyr Phe Phe Leu Ser
 50 55 60
 Asn Leu Ser Leu Val Asp Ile Cys Phe Thr Thr Val Ile Val Pro Gln
 65 70 75 80
 Met Leu Val Asn Leu Leu Thr Gln Arg Lys Thr Ile Leu Phe Ala Gln
 85 90 95
 Cys Leu Thr Gln Met Tyr Phe Phe Val Ala Phe Gly Ile Thr Asp Ser
 100 105 110
 Phe Leu Leu Ala Ala Met Ala Ile Asp Arg Tyr Val Ala Ile Cys Asn
 115 120 125
 Pro Leu His Tyr Asn Thr Val Met Ser Pro Arg Arg Cys Arg Leu Leu
 130 135 140
 Val Val Ala Ser Trp Ala Val Ser His Leu His Ser Leu Thr His Thr
 145 150 155 160
 Ile Leu Met Gly Arg Leu Ser Phe Cys Gly Pro Asn Val Ile His His
 165 170 175
 Phe Phe Cys Asp Val Gln Pro Leu Leu Thr Leu Ser Cys Ser Asp Thr
 180 185 190
 Ser Ile Asn Glu Leu Leu Ala Phe Thr Glu Gly Ser Val Val Ile Met
 195 200 205
 Ser Pro Phe Ser Leu Leu Gly Gly Ser Tyr Ile Tyr Ile Thr Arg Thr
 210 215 220
 Val Leu Arg Val Pro Ser Gly Glu Gly Arg Asp Lys Val Phe Ser Thr
 225 230 235 240
 Cys Gly Ser His Leu Thr Val Val Ala Leu Val Tyr Gly Thr Xaa Xaa
 245 250 255
 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 260 265 270
 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Met Lys Gln
 275 280 285
 Ala Leu Arg Lys Leu Ala Lys Arg Thr
 290 295

<210> 2207
 <211> 165
 <212> PRT
 <213> Mus musculus

<400> 2207

Met	Lys	Phe	Thr	Glu	Ile	Arg	Ala	Glu	Asp	Asn	Ala	Ser	Thr	Val	Thr
1				5					10					15	
Glu	Phe	Leu	Leu	Gly	Phe	Ser	Asp	Leu	Pro	Asn	Leu	Gln	Gly	Ile	
			20				25					30			
Leu	Phe	Gly	Met	Phe	Ser	Ile	Ile	Tyr	Leu	Ile	Ile	Leu	Val	Gly	Asn
		35					40					45			
Ser	Phe	Ile	Ile	Val	Ile	Thr	Arg	Ile	Asp	Pro	Ala	Leu	Gln	Lys	Pro
		50				55				60					
Met	Tyr	Phe	Phe	Leu	Ala	Asn	Phe	Ser	Ser	Leu	Glu	Ile	Cys	Tyr	Val
65				70						75					80
Ser	Val	Thr	Leu	Pro	Arg	Ile	Leu	Phe	Ser	Ile	Ala	Ala	Gln	Glu	Arg
				85					90					95	
Lys	Ile	Ser	Val	Leu	Ser	Tyr	Ala	Thr	Gln	Leu	Cys	Phe	Phe	Leu	Met
			100					105					110		
Leu	Gly	Ala	Thr	Glu	Cys	Phe	Leu	Leu	Ala	Val	Met	Ser	Tyr	Asp	Arg
		115					120					125			
Tyr	Val	Ala	Ile	Cys	Asn	Pro	Leu	His	Tyr	Pro	Leu	Val	Met	Asn	Pro
	130				135						140				
Thr	Lys	Cys	Thr	Gln	Leu	Ala	Ala	Ala	Ser	Trp	Leu	Gly	Gly	Ile	Pro
145					150					155					160
Val	Gln	Ile	Gly	Gln											
				165											

<210> 2208

<211> 143

<212> PRT

<213> Mus musculus

<400> 2208

Lys	Phe	Thr	Thr	Ser	Thr	Asp	Glu	Asp	Leu	Phe	Lys	Gln	Glu	Lys	Leu
1				5					10					15	
Asn	Ala	Ser	Thr	Leu	Met	Glu	Phe	Thr	Leu	Leu	Gly	Phe	Ser	Asn	Val
			20					25					30		
Pro	His	Leu	Gln	Val	Leu	Phe	Met	Val	Phe	Leu	Phe	Met	Tyr	Met	Thr
		35					40					45			
Ile	Leu	Leu	Trp	Asn	Ser	Ile	Ile	Ile	Val	Leu	Ala	Lys	Thr	Asp	Pro
		50				55					60				
Ala	Leu	Gln	Thr	Pro	Ile	Tyr	Phe	Phe	Leu	Ser	Asn	Phe	Ser	Phe	Leu
65				70						75					80
Glu	Ile	Cys	Tyr	Val	Thr	Val	Thr	Ile	Pro	Arg	Met	Leu	Met	Asp	Leu
				85					90					95	
Tyr	Thr	Leu	Lys	Gly	Asn	Ile	Ser	Val	Phe	Ala	Cys	Ala	Thr	Gln	Met
		100						105					110		
Tyr	Phe	Val	Leu	Met	Leu	Gly	Ala	Thr	Glu	Cys	Leu	Leu	Leu	Ala	Ala
		115					120					125			
Met	Ala	Tyr	Asp	Arg	Tyr	Val	Gly	Tyr	Leu	Pro	Pro	Ser	Pro	Ile	
	130					135					140				

<210> 2209

<211> 164

<212> PRT

<213> Mus musculus

<220>

<221> VARIANT

<222> (131)...(137)
<223> Any amino acid

<400> 2209

Met	Gln	Ser	Lys	Tyr	Val	Asn	Leu	Gln	Arg	Ala	Asn	Lys	Phe	Lys	Ile
1				5					10					15	
Thr	Asp	Thr	Asn	Leu	Ser	Val	Pro	Ile	Glu	Phe	Val	Leu	Leu	Gly	Phe
			20					25					30		
Ser	Asp	Ile	Pro	Gln	Leu	His	Trp	Phe	Leu	Phe	Gly	Ile	Phe	Phe	Phe
		35					40					45			
Ile	Tyr	Met	Ser	Ile	Leu	Leu	Gly	Asn	Gly	Leu	Ile	Ile	Leu	Ile	Thr
	50					55					60				
Arg	Val	Glu	Pro	Thr	Leu	Gln	Thr	Pro	Met	Tyr	Phe	Phe	Ile	Ser	Asn
65					70					75					80
Leu	Ser	Phe	Leu	Glu	Ile	Cys	Tyr	Val	Ser	Val	Thr	Leu	Pro	Arg	Met
				85					90					95	
Leu	Met	Asp	Leu	Phe	Thr	Leu	Lys	Gly	Asn	Ile	Ser	Phe	Leu	Ala	Cys
			100					105					110		
Ala	Thr	Gln	Met	Cys	Leu	Phe	Leu	Ile	Leu	Gly	Gly	Thr	Glu	Cys	Phe
		115					120					125			
Leu	Leu	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Met	Met	Ile	Cys	Ala	Tyr	Cys
	130					135					140				
Val	Leu	Cys	Phe	Val	Gln	Leu	Ile	Cys	Leu	Gly	Gly	Leu	Leu	His	Ser
145					150					155					160
Gly	Ile	Gln	Lys												

<210> 2210

<211> 297

<212> PRT

<213> Mus musculus

<400> 2210

Ala	Arg	Glu	Ile	Ala	Pro	Ser	Leu	Asp	Glu	Phe	Ile	Phe	Leu	Gly	Ile
1				5					10					15	
Thr	Asn	Asn	Pro	Phe	Ile	Thr	Leu	Leu	Leu	Val	Tyr	Leu	Ile	Asn	Leu
			20					25					30		
Leu	Ala	Asn	Leu	Gly	Met	Ile	Ile	Leu	Thr	Arg	Val	Asp	Thr	Gln	Leu
		35					40					45			
His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Arg	His	Leu	Ser	Phe	Cys	Asp	Leu
	50					55					60				
Cys	Tyr	Ser	Thr	Ala	Ile	Gly	Pro	Lys	Met	Leu	Val	Asn	Leu	Leu	Ala
65					70					75					80
Glu	Glu	Lys	Phe	Ile	Ser	Thr	Gly	Gly	Cys	Ala	Leu	Gln	Phe	Phe	Thr
				85					90					95	
Leu	Cys	Ala	Phe	Val	Asp	Ser	Glu	Cys	Leu	Leu	Leu	Ala	Val	Thr	Ala
			100					105					110		
Tyr	Asp	Arg	Tyr	Gln	Ala	Ile	Ser	Asn	Pro	Leu	Leu	Tyr	Thr	Val	Asn
		115					120					125			
Met	Phe	Ser	Arg	Leu	Cys	Ser	Leu	Leu	Met	Ala	Gly	Val	Tyr	Leu	Val
	130					135					140				
Gly	Thr	Ala	Asp	Thr	Leu	Ile	His	Thr	Thr	Leu	Ala	Phe	Ser	Leu	Cys
145					150					155					160
Phe	Cys	Asp	Ile	Asn	Gln	Phe	Phe	Cys	Asp	Val	Pro	Ser	Leu	Val	Leu
				165					170					175	
Ile	Ser	Cys	Ser	Glu	Thr	Glu	Val	Asn	Glu	Ala	Ile	Ser	Thr	Ile	Leu
			180					185					190		
Phe	Ile	Glu	Leu	Asn	Ile	Ile	Ser	Gly	Leu	Leu	Val	Ser	Tyr	Cys	Tyr

<210> 2212
 <211> 301
 <212> PRT
 <213> Mus musculus

<400> 2212
 Met Asn Gln Thr Trp Ile Thr Glu Val Ile Leu Leu Gly Phe Gln Val
 1 5 10 15
 Asp Pro Ser Leu Glu Met Leu Leu Phe Gly Leu Phe Leu Phe Tyr
 20 25 30
 Cys Leu Thr Leu Met Gly Asn Gly Ile Ile Leu Gly Leu Ile Cys Leu
 35 40 45
 Asp Ala Arg Leu His Thr Pro Met Tyr Phe Phe Leu Ser His Leu Ala
 50 55 60
 Ile Val Asp Met Ser Tyr Ala Ser Ser Thr Ala Ala Pro Lys Met Leu
 65 70 75 80
 Thr Asn Met Val Met His Gln Lys Ser Ile Ser Phe Ala Ser Cys Ile
 85 90 95
 Leu Gln Thr Phe Leu Tyr Leu Ala Phe Ala Val Thr Glu Cys Val Ile
 100 105 110
 Leu Val Val Met Ser Cys Asp Arg Phe Val Val Ile Cys His Pro Leu
 115 120 125
 Lys Tyr Thr Leu Ile Met Ser Trp Arg Val Phe Val Ile Leu Ala Ala
 130 135 140
 Thr Cys Trp Val Phe Ser Phe Leu Leu Ala Ser Leu His Thr Lys Leu
 145 150 155 160
 Ile Leu Arg Leu Pro Phe Cys Gly Pro Gln Asn Val Asn His Phe Phe
 165 170 175
 Phe Cys Gln Ile Met Ser Val Phe Arg Leu Ala Cys Ala Asp Thr Arg
 180 185 190
 Leu Asn Val Ile Leu Phe Ala Gly Ser Val Met Val Leu Leu Gly Pro
 195 200 205
 Leu Cys Leu Leu Leu Val Ser Tyr Thr Ile Leu Val Val Ile Leu Gly
 210 215 220
 Ile His Ser Arg Glu Gly Arg Arg Asn Ser His Leu Cys Val Val Gly
 225 230 235 240
 Leu Phe Phe Gly Cys Ala Ile Ser Met Tyr Met Val Pro Ser Lys His
 245 250 255
 Ser Gln Glu Gln Arg Lys Ile Leu Ser Leu Phe His Ser Leu Phe Asn
 260 265 270
 Pro Met Leu Asn Pro Leu Ile Tyr Ser Leu Arg Asn Thr Glu Val Lys
 275 280 285
 Ala Ala Leu Arg Ser Val Leu Trp Lys Gln Arg Ser Leu
 290 295 300

<210> 2213
 <211> 313
 <212> PRT
 <213> Mus musculus

<400> 2213
 Met Val Pro Met Glu Arg Asn Val Ser Val Glu Ile Ile Phe Ser Leu
 1 5 10 15
 Leu Gly Phe Thr Asp Tyr Pro Glu Leu Gln Ile Pro Leu Phe Leu Ile
 20 25 30
 Phe Leu Phe Met Tyr Val Ile Thr Val Val Gly Asn Leu Gly Met Ile

		35				40				45					
Ala	Leu	Ile	Asn	Ile	Asn	Pro	Lys	Phe	His	Thr	Pro	Met	Phe	Phe	Leu
	50					55					60				
Ser	His	Leu	Ser	Phe	Val	Asp	Phe	Cys	Tyr	Ser	Thr	Ile	Ile	Thr	Pro
65					70					75					80
Lys	Leu	Leu	Glu	Asn	Leu	Val	Leu	Ala	Asp	Lys	Thr	Ile	Leu	Tyr	Phe
				85					90					95	
Ser	Cys	Met	Phe	Gln	Tyr	Phe	Leu	Ser	Cys	Val	Ala	Val	Val	Ser	Glu
			100					105					110		
Ser	Tyr	Leu	Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg	Phe	Val	Ala	Ile	Cys
			115				120					125			
Asn	Pro	Leu	Leu	Tyr	Thr	Val	Ala	Met	Ser	Pro	Arg	Leu	Cys	Ile	Leu
	130					135					140				
Leu	Val	Thr	Gly	Ser	Tyr	Ile	Trp	Ser	Ile	Phe	Ala	Pro	Leu	Ile	Leu
145					150					155					160
Leu	Cys	Tyr	Ala	Leu	Gln	Leu	Lys	Phe	Ser	Arg	Phe	Asn	Val	Ile	Asn
				165					170					175	
His	Phe	Phe	Cys	Glu	Tyr	Thr	Ala	Leu	Ile	Ala	Val	Ser	Ser	Ser	Asp
			180					185				190			
Ile	His	Ile	Pro	Ser	Leu	Leu	Leu	Phe	Cys	Phe	Ala	Thr	Phe	Asn	Glu
		195					200					205			
Val	Ser	Thr	Leu	Leu	Ile	Ile	Leu	Thr	Ser	Tyr	Val	Phe	Ile	Phe	Val
		210				215					220				
Thr	Val	Leu	Lys	Ile	Lys	Ser	Ala	Ser	Gly	Arg	Arg	Lys	Ala	Phe	Ser
225					230					235					240
Thr	Cys	Ala	Ser	His	Leu	Thr	Ala	Ile	Thr	Ile	Phe	His	Gly	Thr	Ile
				245					250					255	
Leu	Ser	Leu	Tyr	Cys	Ile	Pro	Asn	Ser	Lys	Asn	Ser	Arg	Gln	Val	Val
			260					265					270		
Lys	Val	Ala	Ser	Val	Phe	Tyr	Thr	Val	Val	Asn	Pro	Met	Leu	Asn	Pro
		275					280					285			
Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Asp	Ala	Phe	Gln	Lys
	290					295					300				
Leu	Val	Ser	Thr	Lys	Ile	Pro	Leu	Gln							
305					310										

<210> 2214

<211> 316

<212> PRT

<213> Mus musculus

<400> 2214

Met	Asn	His	Glu	Glu	Leu	Glu	Ser	Ile	Asp	Asn	Val	Ser	Thr	Val	Ile
1				5					10					15	
Gln	Phe	Val	Leu	Ile	Gly	Phe	Ser	Asp	Leu	Pro	Asn	Leu	Gln	Gly	Phe
			20					25					30		
Leu	Phe	Ala	Val	Phe	Ser	Val	Val	Tyr	Ile	Ile	Ile	Leu	Ile	Gly	Asn
		35					40					45			
Phe	Leu	Ile	Ile	Ile	Ile	Ile	Ser	Met	Asp	Gln	Ala	Leu	Gln	Lys	Pro
	50					55					60				
Met	Tyr	Phe	Phe	Leu	Ala	Asn	Phe	Ser	Ser	Leu	Glu	Ile	Cys	Tyr	Val
65					70					75					80
Ser	Val	Thr	Val	Pro	Arg	Ile	Leu	Phe	Asn	Ile	Gly	Thr	Gln	Asn	Arg
				85					90					95	
Ser	Ile	Ser	Leu	Met	Ser	Cys	Ala	Thr	Gln	Met	Ser	Phe	Phe	Leu	Val
			100					105					110		
Phe	Gly	Thr	Thr	Glu	Ser	Leu	Leu	Leu	Ala	Val	Met	Ser	Tyr	Asp	Arg
		115					120						125		

Tyr	Val	Ala	Ile	Cys	His	Pro	Leu	Leu	Tyr	Pro	Leu	Ile	Met	Asn	Pro
130						135					140				
Thr	Lys	Cys	Lys	Gln	Leu	Ala	Ala	Val	Ser	Trp	Leu	Gly	Gly	Met	Pro
145					150					155					160
Val	Gln	Ile	Gly	Gln	Thr	Cys	Gln	Ile	Phe	Ser	Met	Asn	Phe	Cys	Asn
				165					170					175	
Ser	Tyr	Lys	Ile	Asn	His	Phe	Phe	Cys	Asp	Ile	Pro	Pro	Ile	Leu	Lys
			180					185					190		
Leu	Ala	Cys	Gly	Asp	Thr	Ser	Val	His	Glu	Leu	Ser	Val	Tyr	Val	Val
		195					200					205			
Leu	Met	Val	Val	Ala	Ala	Phe	Pro	Phe	Ile	Leu	Val	Leu	Ala	Ser	Tyr
		210				215					220				
Ser	Lys	Ile	Ile	Ala	Thr	Ile	Leu	Arg	Leu	Pro	Thr	Ala	Lys	Gly	Arg
225					230					235					240
Ala	Lys	Ala	Phe	Ser	Thr	Cys	Ser	Ser	His	Leu	Met	Val	Val	Leu	Leu
				245					250					255	
Phe	Tyr	Gly	Ser	Ala	Thr	Val	Thr	Tyr	Leu	Arg	Pro	Lys	Ser	Met	His
			260					265					270		
Ser	Pro	Gly	Thr	Asp	Lys	Leu	Leu	Ser	Leu	Phe	Tyr	Thr	Val	Val	Thr
		275					280					285			
Pro	Met	Phe	Asn	Pro	Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Ile
		290				295					300				
Ser	Ala	Leu	Arg	Lys	Leu	Leu	Phe	Lys	Thr	Tyr	Tyr				
305					310					315					

<210> 2215

<211> 310

<212> PRT

<213> Mus musculus

<400> 2215

Met	Glu	Val	Gly	Asn	Cys	Ser	Ala	Thr	Glu	Phe	Leu	Phe	Leu	Gly	Ile
1				5					10					15	
Thr	Asn	Asn	Pro	Val	Ile	Lys	Val	Ile	Leu	Phe	Thr	Thr	Phe	Leu	Ile
			20					25					30		
Val	Tyr	Leu	Ile	Ile	Leu	Ile	Glu	Asn	Leu	Gly	Met	Ile	Ile	Leu	Ile
		35					40					45			
Arg	Met	Asn	His	Gln	Leu	His	Ile	Pro	Met	Tyr	Phe	Phe	Leu	Ser	His
		50				55				60					
Leu	Ser	Phe	Ser	Asp	Val	Cys	Tyr	Ser	Ser	Ala	Val	Gly	Pro	Lys	Met
65					70					75					80
Leu	Leu	Asp	Leu	Leu	Ala	Lys	Ser	Ser	Asn	Ser	Ile	Thr	Phe	Leu	Gly
				85					90					95	
Cys	Val	Leu	Gln	Phe	Phe	Ile	Phe	Cys	Ile	Phe	Thr	Asp	Val	Glu	Cys
			100					105					110		
Met	Leu	Leu	Ala	Met	Met	Ala	Phe	Asp	Arg	Tyr	Lys	Ala	Ile	Ser	Asn
		115					120					125			
Pro	Leu	Leu	Tyr	Ala	Val	Asp	Met	Ser	Ser	Lys	Val	Cys	Tyr	Gln	Leu
		130				135					140				
Leu	Ala	Val	Val	Tyr	Thr	Val	Ala	Ile	Val	Asp	Ala	Val	Val	His	Thr
145					150					155					160
Thr	Leu	Thr	Phe	Arg	Leu	Cys	Phe	Cys	Gly	Ser	Lys	Glu	Ile	Asn	His
				165					170					175	
Phe	Phe	Cys	Asp	Leu	Pro	Pro	Leu	Tyr	Met	Leu	Ser	Cys	Ser	Asp	Ile
			180					185					190		
Gln	Val	Asn	Glu	Leu	Ala	Leu	Phe	Thr	Val	Phe	Gly	Phe	Ile	Glu	Leu
		195					200					205			
Ser	Thr	Ile	Ser	Gly	Val	Leu	Val	Ser	Tyr	Cys	Tyr	Ile	Ile	Leu	Ser

210		215		220											
Val	Leu	Lys	Ile	Arg	Ser	Ala	Glu	Gly	Arg	Phe	Lys	Ala	Phe	Ser	Thr
225		230		235											240
Cys	Thr	Ser	His	Leu	Thr	Ala	Val	Ala	Ile	Phe	Gln	Gly	Thr	Met	Leu
				245						250					255
Phe	Met	Tyr	Phe	Arg	Pro	Ser	Ser	Ser	Tyr	Ser	Leu	Asp	Gln	Asp	Lys
				260						265					270
Met	Thr	Ser	Leu	Phe	Tyr	Thr	Leu	Val	Ile	Pro	Val	Leu	Asn	Pro	Leu
				275						280					285
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Glu	Ala	Leu	Gln	Lys	Leu
				290						295					300
Lys	Thr	Lys	Thr	Trp	Phe										
305					310										

<210> 2216

<211> 307

<212> PRT

<213> Mus musculus

<400> 2216

Met	Lys	Gln	Glu	Glu	Leu	Glu	Ser	Ile	Asp	Asn	Val	Ser	Thr	Val	Ile
1				5					10					15	
Gln	Phe	Val	Leu	Gly	Phe	Ser	Tyr	Leu	Pro	Ile	Leu	Gln	Glu	Phe	
			20				25					30			
Leu	Phe	Ala	Val	Phe	Phe	Val	Val	Tyr	Ile	Ile	Ile	Leu	Ile	Gly	Asn
		35					40					45			
Phe	Leu	Ile	Ile	Leu	Val	Thr	Ser	Met	Asp	Ser	Ala	Leu	Gln	Lys	Pro
		50				55				60					
Met	Tyr	Phe	Phe	Leu	Ala	Asn	Phe	Ser	Ser	Leu	Glu	Ile	Cys	Tyr	Val
65				70						75					80
Arg	Ile	Leu	Phe	Asp	Ile	Glu	Lys	Gln	Asp	Arg	Arg	Ile	Ser	Leu	Met
				85					90					95	
Ser	Cys	Ala	Thr	Gln	Leu	Cys	Phe	Phe	Leu	Val	Phe	Gly	Thr	Thr	Glu
			100					105					110		
Cys	Leu	Leu	Leu	Ala	Val	Met	Ser	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys
		115					120					125			
Asn	Pro	Leu	His	Tyr	Pro	Leu	Val	Met	Asn	Pro	Thr	Lys	Cys	Thr	Gln
		130				135					140				
Leu	Ala	Ala	Gly	Ser	Trp	Leu	Gly	Gly	Ile	Pro	Val	Gln	Ile	Gly	Gln
145				150						155					160
Thr	Cys	Gln	Ile	Phe	Ser	Met	His	Phe	Cys	Asn	Ser	Asn	Gln	Ile	Glu
				165					170					175	
His	Phe	Phe	Cys	Asp	Ile	Pro	Ile	Ile	Leu	Lys	Leu	Ala	Cys	Gly	Asn
			180					185					190		
Thr	Val	His	Glu	Leu	Ser	Val	Tyr	Val	Glu	Gly	Val	Val	Ala	Ala	Phe
		195					200					205			
Pro	Phe	Ile	Leu	Val	Leu	Thr	Ser	Tyr	Ser	Lys	Ile	Ile	Ala	Met	Ile
		210				215					220				
Leu	Arg	Leu	Pro	Thr	Ala	Gln	Gly	Arg	Ala	Lys	Ala	Phe	Ser	Thr	Cys
225				230						235					240
Ser	Ser	His	Leu	Leu	Val	Val	Leu	Leu	Phe	Tyr	Gly	Ser	Ala	Ala	Val
				245					250					255	
Thr	Tyr	Leu	Arg	Pro	Lys	Ser	Met	His	Ser	Pro	Val	Thr	Asp	Lys	Leu
			260					265					270		
Ile	Ser	Leu	Phe	Tyr	Thr	Thr	Met	Thr	Pro	Met	Phe	Asn	Pro	Leu	Ile
		275					280					285			
Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Ile	Ala	Ala	Leu	Arg	Lys	Leu	Ile
		290				295					300				

Leu Lys Lys
305

<210> 2217
<211> 232
<212> PRT
<213> Mus musculus

<400> 2217
Met Asp Lys Glu Asn Cys Ser Ser Leu Pro Glu Phe Phe Leu Leu Gly
1 5 10 15
Ile Ser Ser Lys Tyr Gly Val Lys Val Val Leu Phe Val Val Phe Leu
20 25 30
Leu Val Tyr Leu Thr Thr Leu Leu Glu Asn Ile Gly Met Ile Ala Leu
35 40 45
Ile Arg Met Asp Pro Gln Leu His Thr Pro Met Tyr Phe Phe Leu Ser
50 55 60
His Leu Ser Phe Ser Asp Leu Cys Tyr Ser Thr Ala Val Gly Pro Arg
65 70 75 80
Met Leu Val Asp Leu Val Ala Glu Lys His Ser Ile Pro Phe Thr Gly
85 90 95
Cys Phe Leu Gln Leu Leu Phe Val Tyr Val Phe Ile Asp Val Glu Cys
100 105 110
Met Leu Leu Ala Val Met Ala Phe Asp Arg Tyr Lys Ala Ile Ser Lys
115 120 125
Pro Leu Leu Tyr Ser Val Asp Met Ser Ser Lys Val Cys Tyr Gln Phe
130 135 140
Leu Thr Leu Ile Tyr Leu Thr Ser Thr Ile Asp Gly Leu Ile His Thr
145 150 155 160
Thr Leu Ala Phe Asn Leu Cys Phe Cys Gly Ser Thr Gln Ile Asn His
165 170 175
Phe Phe Cys Asp Leu Pro Pro Leu Tyr Leu Leu Ser Cys Ser Asp Thr
180 185 190
Gln Ala Asn Glu Leu Val Val Phe Thr Leu Phe Gly Phe Ile Glu Leu
195 200 205
Ser Thr Ile Ser Ser Val Leu Val Ser Tyr Cys Tyr Ile Ile Ser Ser
210 215 220
Val Leu Lys Ile Ser Ser Ala Gly
225 230

<210> 2218
<211> 310
<212> PRT
<213> Mus musculus

<400> 2218
Val Lys Gln Glu Glu Leu Glu Ser Ile Tyr Asn Val Ser Thr Val Met
1 5 10 15
Gln Phe Val Leu Leu Gly Phe Ser Asp Leu Pro Asn Leu Gln Gly Phe
20 25 30
Leu Tyr Ala Leu Phe Phe Val Val Phe Ile Ile Ile Leu Ile Asn Phe
35 40 45
Leu Ile Ile Leu Val Thr Cys Met Asp Pro Ala Leu Gln Lys Ser Ile
50 55 60
Tyr Leu Phe Leu Ala Tyr Phe Ser Ser Leu Glu Ile Cys Tyr Val Ser
65 70 75 80
Val Thr Leu Pro Lys Thr Leu Phe Cys Ile Glu Met Gln Tyr Arg Thr

Val	Leu	Leu	Leu	Trp	Ile	Cys	Tyr	Ser	Tyr	Arg	Pro	Thr	Ser	Leu	Cys
			180					185					190		
Ser	Ser	Arg	Thr	Asp	Lys	Leu	Phe	Ser	Leu	Phe	Tyr	Ala	Val	Val	Ile
		195					200					205			
Pro	Met	Leu	Asn	Pro	Leu	Val	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Thr
	210					215					220				
Ala	Ala	Leu	Arg	Lys	Leu	Ile	Leu								
225					230										

<210> 2220
 <211> 246
 <212> PRT
 <213> Mus musculus

Leu	Cys	Tyr	Thr	Ala	Val	Val	Val	Pro	His	Ile	Leu	Ala	Asn	Asn	Phe
1				5				10					15		
Gln	Ser	Glu	Lys	Thr	Ile	Ser	Leu	Leu	Ser	Cys	Ala	Thr	Gln	Met	Val
			20					25					30		
Phe	Leu	Ile	Gly	Leu	Gly	Ser	Ala	Asp	Cys	Phe	Leu	Leu	Ala	Ile	Met
	35						40					45			
Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	His	Pro	Leu	Gln	Tyr	Pro	Leu
	50					55					60				
Ile	Met	Thr	Ile	Thr	Leu	Cys	Val	Arg	Leu	Val	Val	Ala	Ser	Val	Val
65					70				75						80
Ile	Gly	Leu	Phe	Leu	Ser	Leu	Gln	Leu	Val	Val	Phe	Ile	Phe	Cys	Leu
			85					90						95	
Pro	Phe	Cys	Gln	Asp	Arg	Gly	Ile	Glu	His	Phe	Phe	Cys	Asp	Ala	Pro
			100					105					110		
Pro	Leu	Met	Arg	Leu	Val	Cys	Ala	Thr	Ser	His	Ile	His	Glu	Leu	Ser
	115						120					125			
Val	Leu	Met	Ala	Ala	Thr	Leu	Ala	Ile	Ala	Val	Pro	Phe	Phe	Phe	Ile
	130					135					140				
Ala	Thr	Thr	Tyr	Ala	Leu	Ile	Val	Ala	Ala	Val	Leu	Lys	Leu	His	Ser
145					150					155					160
Ala	Ala	Gly	Arg	His	Arg	Ala	Phe	Asn	Thr	Cys	Ser	Ser	His	Leu	Thr
			165					170						175	
Val	Val	Leu	Leu	Gln	Tyr	Gly	Cys	Cys	Ala	Phe	Met	Tyr	Leu	Arg	Pro
			180					185					190		
Val	Ser	Ser	Tyr	His	Pro	Lys	Gln	Asp	Gln	Phe	Val	Ser	Leu	Val	Tyr
	195						200					205			
Thr	Leu	Gly	Thr	Pro	Phe	Leu	Asn	Pro	Leu	Ile	Tyr	Thr	Leu	Arg	Asn
	210					215					220				
Ser	Glu	Met	Lys	Gly	Ala	Ile	Gly	Lys	Val	Leu	Thr	Arg	Lys	Tyr	Leu
225					230					235					240
Ser	Trp	Lys	Met	Ile	Gly										
				245											

<210> 2221
 <211> 279
 <212> PRT
 <213> Mus musculus

<220>
 <221> VARIANT
 <222> (151)...(157)
 <223> Any amino acid

<400> 2221

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Met Ala Lys Val Asn Leu Thr Leu Val Thr Glu Phe Leu Leu Ile Ala
 1          5          10          15
Phe Thr Glu His Pro Glu Trp Gly Leu Pro Leu Phe His Leu Phe Leu
          20          25          30
Phe Ile Tyr Leu Phe Thr Leu Leu Gly Asn Ser Gly Met Ile Val Leu
          35          40          45
Ile Arg Met Asp Arg Arg Leu His Thr Pro Met Tyr Phe Leu Leu Ser
          50          55          60
His Leu Ser Phe Met Asp Ile Cys Tyr Ser Ser Val Thr Val Pro Gln
65          70          75          80
Thr Met Ala Val Leu Leu Glu His Gly Ala Ala Leu Ser Tyr Ala Arg
          85          90          95
Cys Val Ala Gln Phe Phe Leu Phe Thr Phe Phe Gly Ser Ile Asp Cys
          100          105          110
Tyr Leu Leu Ala Leu Met Ala Tyr Asp Arg Tyr Val Ala Val Cys Gln
          115          120          125
Pro Leu Leu Tyr Val Thr Ile Met Thr Gln Lys Ala Leu Leu Ser Phe
          130          135          140
Val Val Gly Leu Thr Leu Xaa Xaa Xaa Xaa Xaa Xaa Xaa Gly Glu Ser
145          150          155          160
Tyr Ile Gln Glu Leu Val Ile Ile Val Phe Ala Ile Phe Val Ile Pro
          165          170          175
Cys Ser Met Val Val Ile Val Val Ser Tyr Leu Phe Ile Ile Val Ala
          180          185          190
Ile Leu Arg Ile Pro Ser Ala Gly Gly Arg Ala Lys Thr Phe Ser Thr
          195          200          205
Cys Ala Ser His Leu Thr Ala Val Ser Leu Phe Phe Gly Thr Leu Ile
          210          215          220
Phe Met Tyr Leu Arg Asp Asn Ser Gly Gln Ala Ser Glu Lys Asp Arg
225          230          235          240
Val Val Ser Val Phe Tyr Thr Thr Val Ile Pro Met Leu Asn Pro Leu
          245          250          255
Ile Tyr Ser Leu Arg Asn Lys Glu Val Lys Glu Ala Leu Lys Asn Phe
          260          265          270
Leu Asn Arg Val Lys Thr Phe
          275
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<210> 2222

<211> 292

<212> PRT

<213> Mus musculus

<400> 2222

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Leu Phe Val Leu Val Leu Ile Ser Tyr Leu Leu Thr Leu Val Gly Asn
 1          5          10          15
Thr Ala Ile Ile Leu Val Ser Cys Leu Asp Ser Ala Leu Gln Thr Pro
          20          25          30
Met Tyr Tyr Phe Leu Thr Asn Leu Ser Phe Val Asp Ile Cys Phe Ser
          35          40          45
Thr Ser Ile Val Pro Gln Leu Leu Trp Asn Leu His Gly Pro Ala Lys
          50          55          60
Thr Ile Thr Ala Thr Gly Cys Ala Ile Gln Leu Tyr Val Ser Leu Ala
65          70          75          80
Leu Gly Ser Thr Glu Cys Val Leu Leu Ala Val Met Ala Phe Asp Arg
          85          90          95
Tyr Ala Ala Val Cys Arg Pro Leu His Tyr Ala Thr Val Met His Pro
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Ala	Cys	Phe	Thr	Gly	Ile	Val	Ile	Ser	Tyr	Val	His	Ile	Phe	Ser	Thr
210						215					220				
Val	Leu	Arg	Met	Pro	Ser	Ala	Glu	Ser	Arg	Ser	Lys	Val	Phe	Ser	Thr
225					230					235					240
Cys	Leu	Pro	His	Leu	Phe	Val	Val	Ser	Leu	Phe	Leu	Ser	Thr	Gly	Ala
				245						250				255	
Phe	Ala	Tyr	Leu	Asn	Leu	Thr	Ser	Asp	Ser	Ser	Thr	Ala	Leu	Glu	Phe
			260					265					270		
Leu	Leu	Ser	Ile	Phe	Tyr	Thr	Val	Leu	Pro	Pro	Thr	Leu	Asn	Pro	Val
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Glu	Thr	Ile	Lys	Asn	Val	Val	Arg	Lys	Leu
	290				295						300				
Leu	Leu	Ser	Thr	Lys	Phe	Thr	Val	Arg	Ile	Ile	Phe	Phe	Ser	Cys	Cys
305					310					315					320
Phe															

<210> 2224
 <211> 290
 <212> PRT
 <213> Mus musculus

<220>
 <221> VARIANT
 <222> (92)...(124)
 <223> Any amino acid

<400> 2224															
Met	Glu	Gly	Lys	Asn	Gln	Thr	Ala	Pro	Ser	Glu	Phe	Ile	Ile	Leu	Gly
1				5					10					15	
Phe	Asp	His	Leu	Asn	Glu	Leu	Gln	Tyr	Leu	Leu	Phe	Thr	Ile	Phe	Phe
			20					25					30		
Leu	Thr	Tyr	Ile	Cys	Thr	Leu	Gly	Gly	Asn	Val	Phe	Ile	Ile	Val	Val
		35					40					45			
Thr	Ile	Ala	Asp	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Tyr	Phe	Leu	Gly
	50					55					60				
Asn	Leu	Ala	Leu	Ile	Asp	Ile	Cys	Tyr	Thr	Thr	Asn	Val	Pro	Gln	
65					70					75				80	
Met	Met	Val	His	Leu	Ser	Glu	Lys	Lys	Ile	Xaa	Xaa	Xaa	Xaa	Xaa	
				85				90						95	
Xaa	Xaa	Xaa	Xaa	Xaa	Pro	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa
				100				105					110		
Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Gly	Phe	Leu	Asn
			115					120				125			
Ser	Val	Leu	His	Thr	Val	Leu	Thr	Phe	His	Leu	Pro	Phe	Cys	Gly	Asn
	130					135					140				
Asn	Gln	Ile	Asn	Tyr	Phe	Phe	Cys	Asp	Ile	Pro	Pro	Leu	Leu	Ile	Leu
145					150					155					160
Ser	Cys	Gly	Asp	Thr	Ser	Leu	Asn	Glu	Leu	Ala	Leu	Leu	Ser	Ile	Gly
				165					170					175	
Ile	Leu	Ile	Gly	Trp	Thr	Pro	Phe	Leu	Cys	Ile	Ile	Leu	Ser	Tyr	Leu
			180					185					190		
Tyr	Ile	Ile	Ser	Thr	Ile	Leu	Arg	Ile	Arg	Ser	Ser	Glu	Gly	Arg	Gln
		195					200					205			
Lys	Ala	Phe	Ser	Thr	Cys	Ala	Ser	His	Leu	Leu	Ile	Val	Ile	Leu	Tyr
	210					215					220				
Tyr	Gly	Ser	Ala	Ile	Phe	Thr	Tyr	Val	Arg	Pro	Ile	Ser	Ser	Tyr	Ser
225					230					235					240

Leu	Glu	Lys	Asp	Arg	Leu	Ile	Ser	Val	Leu	Tyr	Ser	Val	Phe	Thr	Pro
				245					250					255	
Met	Leu	Asn	Pro	Ile	Ile	Tyr	Ala	Leu	Arg	Asn	Lys	Asp	Ile	Lys	Glu
			260					265					270		
Ala	Val	Lys	Ala	Ile	Gly	Arg	Lys	Trp	Gln	Pro	Pro	Val	Phe	Ser	Ser
		275					280					285			
Asp	Met														
	290														

<210> 2225
 <211> 320
 <212> PRT
 <213> Mus musculus

<400> 2225

Met	Ser	Ile	Asn	Cys	Ser	Leu	Trp	Gln	Glu	Asn	Ser	Leu	Ser	Val	Lys
1				5					10					15	
Arg	Phe	Ala	Phe	Ala	Lys	Phe	Ser	Glu	Val	Pro	Gly	Glu	Cys	Phe	Leu
			20					25					30		
Leu	Phe	Thr	Leu	Ile	Leu	Leu	Met	Phe	Leu	Val	Ser	Leu	Thr	Gly	Asn
		35					40					45			
Ala	Leu	Ile	Ala	Leu	Val	Ile	Cys	Thr	Asn	Pro	Ser	Leu	His	Asn	Pro
	50					55					60				
Met	Tyr	Phe	Phe	Leu	Ala	Asn	Leu	Ser	Leu	Leu	Glu	Ile	Gly	Tyr	Thr
65				70					75						80
Cys	Ser	Val	Ile	Pro	Lys	Met	Leu	Gln	Ser	Leu	Val	Ser	Glu	Ala	Arg
				85					90					95	
Glu	Ile	Ser	Arg	Glu	Gly	Cys	Ala	Thr	Gln	Met	Phe	Phe	Phe	Thr	Phe
			100					105					110		
Phe	Gly	Ile	Thr	Glu	Cys	Cys	Leu	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg
		115					120					125			
Cys	Met	Ala	Ile	Cys	Ser	Pro	Leu	His	Tyr	Pro	Thr	Arg	Met	Ser	Ser
	130					135					140				
Gly	Val	Cys	Ala	His	Leu	Ala	Ile	Val	Ser	Trp	Gly	Met	Gly	Cys	Ile
145					150				155						160
Val	Gly	Leu	Gly	Gln	Thr	Asn	Phe	Ile	Phe	Ser	Leu	Glu	Phe	Cys	Gly
			165						170					175	
Pro	Cys	Glu	Ile	Asp	His	Phe	Phe	Cys	Asp	Leu	Pro	Pro	Val	Leu	Ala
			180					185					190		
Leu	Ala	Cys	Gly	Asp	Thr	Ser	Gln	Asn	Glu	Ala	Ala	Ile	Phe	Val	Ala
		195					200					205			
Ala	Val	Leu	Cys	Ile	Ser	Ser	Pro	Phe	Leu	Leu	Ile	Ile	Tyr	Ser	Tyr
	210					215					220				
Val	Arg	Ile	Leu	Val	Ala	Val	Leu	Val	Met	Pro	Ser	Pro	Glu	Gly	Arg
225				230					235						240
His	Lys	Ala	Leu	Ser	Thr	Cys	Ser	Ser	His	Leu	Leu	Val	Val	Thr	Met
			245						250					255	
Phe	Tyr	Gly	Ser	Ala	Ser	Ile	Thr	Tyr	Leu	Arg	Pro	Lys	Ser	Ser	His
			260					265					270		
Ser	Pro	Gly	Met	Asp	Lys	Leu	Leu	Ala	Leu	Phe	Tyr	Thr	Ala	Val	Thr
		275					280					285			
Ser	Met	Leu	Asn	Pro	Ile	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Gly	Ser	Lys
	290					295					300				
Gly	Ser	Thr	Glu	Lys	Asn	Thr	Glu	Ser	Glu	Glu	Thr	Ser	Gly	Asn	Lys
305					310					315					320

<210> 2226

<211> 206
 <212> PRT
 <213> Mus musculus

<400> 2226

Met	Ser	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Leu	Pro	Leu	His	Tyr	Glu
1				5					10					15	
Val	Ile	Met	Ser	Pro	Arg	Lys	Cys	Thr	Trp	Ala	Val	Ala	Ala	Val	Trp
			20					25					30		
Leu	Ser	Gly	Gly	Ile	Ser	Gly	Thr	Leu	Phe	Thr	Ala	Ser	Thr	Leu	Ser
		35					40					45			
Ile	Arg	Phe	Cys	Gly	Asp	Lys	Ile	Ile	His	Gln	Phe	Phe	Cys	Asp	Ile
	50					55					60				
Pro	Gln	Leu	Leu	Lys	Leu	Ser	Cys	Ser	Asn	Asp	Phe	Gly	Val	Leu	
65					70					75				80	
Glu	Val	Ser	Ile	Phe	Met	Ala	Val	Met	Ala	Phe	Ala	Cys	Phe	Met	Gly
				85					90					95	
Ile	Ala	Phe	Ser	Tyr	Gly	Gln	Ile	Phe	Ser	Thr	Val	Leu	Arg	Met	Pro
			100					105					110		
Ser	Ala	Glu	Gly	Arg	Ser	Lys	Val	Phe	Ser	Thr	Cys	Leu	Pro	His	Leu
		115					120					125			
Phe	Val	Val	Ser	Phe	Phe	Leu	Ser	Thr	Gly	Ser	Cys	Ala	Tyr	Leu	Lys
	130					135					140				
Pro	Thr	Ser	Asp	Ser	Pro	Thr	Ala	Ser	Asp	Leu	Met	Leu	Ser	Ile	Phe
145					150					155				160	
Tyr	Thr	Val	Leu	Pro	Pro	Thr	Leu	Asn	Pro	Phe	Ile	Tyr	Ser	Leu	Arg
				165					170					175	
Asn	Lys	Ser	Leu	Lys	Glu	Ala	Val	Lys	Lys	Leu	Leu	Leu	Ser	Glu	Glu
			180					185					190		
Leu	Val	Gly	Lys	Ile	Tyr	Val	Cys	Ser	Val	Phe	Ser	Ala	Cys		
		195					200					205			

<210> 2227
 <211> 311
 <212> PRT
 <213> Mus musculus

<400> 2227

Met	Arg	Ser	Asp	Asn	Asp	Ser	Thr	Val	Ser	Glu	Leu	Ile	Leu	Leu	Gly
1				5					10					15	
Leu	Pro	Ile	Gln	Ala	Glu	Asp	Gln	Gly	Met	Tyr	Cys	Ala	Leu	Phe	Leu
			20					25					30		
Thr	Met	Cys	Leu	Thr	Thr	Val	Leu	Gly	Asn	Leu	Ile	Ile	Ile	Leu	Leu
		35					40					45			
Ile	Arg	Leu	Asn	Phe	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser
	50					55					60				
His	Leu	Ala	Phe	Thr	Asp	Ile	Ser	Phe	Ser	Ser	Val	Thr	Ala	Pro	Lys
65					70					75				80	
Met	Leu	Val	Asn	Met	Leu	Thr	His	Ser	Gln	Phe	Ile	Ser	Tyr	Val	Gly
			85						90					95	
Cys	Ile	Phe	Gln	Leu	Tyr	Phe	Leu	Ser	Thr	Phe	Thr	Asp	Leu	Asp	Ser
			100					105					110		
Phe	Leu	Leu	Thr	Ser	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	His
		115					120					125			
Pro	Leu	His	Tyr	Thr	Ile	Ile	Met	Ser	Gln	Asn	Leu	Cys	Ile	Leu	Leu
	130					135					140				
Val	Val	Val	Ser	Thr	Leu	Ser	Ser	Ala	Asn	Ser	Leu	Val	Tyr	Thr	Leu
145					150					155					160

Leu	Leu	Ala	Arg	Phe	Ser	His	Phe	Arg	Asn	Asn	Thr	Thr	Pro	His	Tyr		
				165					170					175			
Phe	Cys	Asp	Leu	Ser	Ala	Leu	Leu	Lys	Leu	Ser	Ile	Ser	Asp	Thr	Thr		
			180					185					190				
Ile	Asn	Glu	Leu	Val	Ile	Phe	Pro	Leu	Gly	Thr	Val	Val	Ile	Ala	Leu		
		195					200					205					
Ala	Phe	Ile	Cys	Ile	Leu	Val	Ser	Tyr	Gly	Arg	Ile	Gly	Ile	Thr	Ile		
	210					215					220						
Leu	Lys	Thr	Pro	Ser	Ile	Arg	Gly	Ile	Cys	Lys	Ala	Leu	Ser	Thr	Cys		
225					230				235						240		
Gly	Ser	His	Leu	Thr	Val	Val	Ser	Leu	Tyr	Tyr	Gly	Ala	Ile	Thr	Gly		
				245					250					255			
Leu	Tyr	Leu	Val	Pro	Ser	Ser	Asn	Asn	Thr	Asn	Asp	Lys	Asp	Val	Ile		
			260				265						270				
Val	Ala	Val	Ile	Tyr	Ser	Leu	Val	Thr	Pro	Met	Leu	Asn	Pro	Phe	Ile		
		275					280					285					
Tyr	Ser	Leu	Arg	Asn	Gln	Asp	Met	Lys	Lys	Ser	Ile	Glu	Lys	Tyr	Ser		
	290					295					300						
Glu	Gln	Glu	Thr	Val	Phe	Thr											
305					310												

<210> 2228

<211> 177

<212> PRT

<213> Mus musculus

<400> 2228

Met	Arg	Arg	Asp	Asn	Glu	Ser	Thr	Val	Ser	Glu	Phe	Ile	Leu	Leu	Gly		
1				5					10					15			
Leu	Pro	Ile	Arg	Ala	Glu	Asp	Gln	Asp	Met	Tyr	Ser	Ala	Pro	Phe	Leu		
			20					25					30				
Ala	Met	Tyr	Leu	Thr	Thr	Val	Leu	Gly	Asn	Leu	Leu	Ile	Ile	Leu	Leu		
		35					40					45					
Ile	Arg	Leu	Asp	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser		
	50					55					60						
His	Leu	Ala	Phe	Thr	Asp	Ile	Ser	Phe	Ser	Ser	Ala	Thr	Ala	Pro	Lys		
65					70					75					80		
Met	Leu	Arg	Asn	Met	Leu	Ile	His	Ser	His	Phe	Ile	Ser	Tyr	Ala	Gly		
			85						90					95			
Tyr	Val	Ser	Gln	Val	Tyr	Phe	Phe	Thr	Phe	Leu	Arg	Ser	Ile	Asp	Ser		
			100					105					110				
Phe	Leu	Leu	Met	Ser	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	His		
		115					120					125					
Pro	Leu	His	Tyr	Thr	Ile	Ile	Met	Ser	Gln	Ser	Leu	Cys	Val	Leu	Leu		
	130					135					140						
Val	Ala	Met	Ser	Trp	Thr	Leu	Ser	Phe	Phe	Asn	Ile	Phe	Phe	Ile	Arg		
145					150					155					160		
Tyr	Phe	Ser	His	Leu	His	Phe	Pro	Met	Leu	Cys	Gln	Asn	Ser	His	Ile		
				165					170					175			

Pro

<210> 2229

<211> 314

<212> PRT

<213> Mus musculus

<400> 2229

```
Leu Arg Ala Thr Lys Asn Lys Thr Glu Val Thr Glu Phe Val Leu Leu
 1          5          10          15
Gly Leu Ser Ser Arg Pro Glu Met Gln Pro Val Ile Phe Gly Val Ile
          20          25          30
Tyr Leu Thr Ala Val Leu Gly Asn Thr Leu Leu Val Leu Val Val Cys
          35          40          45
Ser Asp Pro Lys Leu Gln Thr Pro Met Tyr Phe Leu Leu Ser Gln Leu
          50          55          60
Ser Leu Ile Ala Ile Cys Leu Thr Thr Ile Thr Val Pro Gln Met Leu
65          70          75          80
Val His Thr Leu Ser Ala Val Arg Asn Ile Ser Tyr Asn Cys Cys Met
          85          90          95
Thr Gln Leu Phe Phe Phe Met Ala Val Gly Ser Met Glu Gly His Leu
          100          105          110
Leu Ala Asp Ile Ala Asp Tyr Tyr Val Ala Ile Cys Asp Pro Leu Arg
          115          120          125
Tyr Tyr Ala Ile Val Ser His Ser Leu Cys Leu Gln Ile Thr Leu Thr
          130          135          140
Ser Trp Val Met Val Ser Leu Asn Ser Leu Leu Tyr Ser Val Leu Val
145          150          155          160
Thr Arg Leu Thr Phe Cys Gly Asn Lys Val Thr His Phe Phe Cys Asp
          165          170          175
Ile Thr Pro Leu Leu Lys Leu Ser Cys Thr Arg Pro Val Leu Asn Glu
          180          185          190
Met Leu Ile Phe Thr Glu Gly Ala Ala Val Val Gly Ser Pro Phe Phe
          195          200          205
Leu Ile Trp Gly Ser Tyr Ala Arg Ile Gly Ile Ala Met Ala His Met
          210          215          220
His Ser Phe Ala Ala Leu Lys Lys Ala Leu Ser Thr Cys Ser Ser His
225          230          235          240
Ile Leu Ile Val Leu Leu Leu Phe Gly Ser Leu Ala Arg Met Tyr Leu
          245          250          255
Lys Pro Ser Ser Ser Tyr Asp Leu Asp Gln Asp His Gln Val Ala Ile
          260          265          270
Phe Tyr Met Leu Ile Ser Pro Met Leu Asn Pro Leu Ile Tyr Ser Leu
          275          280          285
Arg Asn Gln Asp Val Lys Gly Ala Leu Trp Arg Leu Phe Arg Lys Leu
          290          295          300
His Thr Ser Asp Trp Leu Leu Glu Lys Gln
305          310
```

<210> 2230

<211> 170

<212> PRT

<213> Mus musculus

<400> 2230

```
Leu Thr Ile Met Ala Gln Asp Arg Tyr Val Ala Ile Cys Lys Pro Leu
 1          5          10          15
Leu Lys Thr Phe Gln Leu Ser Phe Cys His Ser Asn Val Val Pro Gln
          20          25          30
Phe Phe Cys Asp Ile Pro Ser Leu Leu Arg Leu Ser Cys Ser Asp Thr
          35          40          45
Phe Asn Asn Lys Leu Leu Ile Leu Leu Ser Ala Ile Leu Val Ser Gly
          50          55          60
Ser Cys Phe Val Phe Ile Val Ile Ser Tyr Val Arg Ile Leu Ser Thr
65          70          75          80
```


Val	Leu	Lys	Val	Pro	Val	Lys	Gly	Glu	Arg	Gly	Lys	Ala	Phe	Ser	Thr	
			85						90					95		
Cys	Val	Pro	His	Ile	Ile	Val	Val	Ser	Val	Phe	Leu	Ser	Ser	Ala	Ala	
			100					105					110			
Tyr	Ile	Tyr	Leu	Lys	Pro	Pro	Val	Val	Thr	Leu	Glu	Val	Ala	Lys	Glu	
		115					120					125				
Met	Thr	Leu	Ser	Val	Phe	Tyr	Thr	Ile	Val	Pro	Pro	Phe	Leu	Asn	Pro	
	130					135					140					
Ile	Ile	Tyr	Ser	Leu	Arg	Asn	Arg	Gln	Ile	Lys	Lys	Ala	Val	Ser	Lys	
145					150					155					160	
Leu	Ile	Ser	Arg	Ile	Phe	Phe	Leu	Ile	Met							
				165					170							

<210> 2231

<211> 317

<212> PRT

<213> Mus musculus

<400> 2231

Met	Pro	Asn	Asp	Thr	Arg	Val	Thr	Gly	Phe	Ile	Leu	Met	Gly	Phe	Ser	
1				5					10					15		
Ala	Ala	Pro	Glu	Leu	Gln	Thr	Val	Cys	Gly	Leu	Phe	Phe	Leu	Val	Met	
			20					25					30			
Tyr	Leu	Ala	Val	Ile	Met	Ser	Asn	Leu	Leu	Ile	Ile	Thr	Val	Ile	Thr	
		35					40					45				
Leu	Asp	Leu	Lys	Leu	Gln	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Lys	Asn	Leu	
	50					55					60					
Ser	Leu	Leu	Asp	Val	Phe	Leu	Val	Ser	Ile	Pro	Ile	Pro	Lys	Phe	Ile	
65					70					75					80	
Ile	Asn	Asn	Leu	Thr	His	Asn	Asn	Tyr	Ile	Ser	Ile	Leu	Gly	Cys	Ala	
			85						90					95		
Phe	Gln	Ile	Leu	Leu	Met	Thr	Ser	Phe	Ser	Ala	Gly	Glu	Ile	Phe	Val	
			100					105					110			
Leu	Thr	Ala	Met	Ser	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Ser	Pro	Leu	
		115					120					125				
Cys	Tyr	Glu	Ala	Ile	Met	Ser	Ser	Gly	Asn	Cys	Val	Leu	Met	Val	Gly	
	130					135					140					
Val	Ser	Trp	Ala	Thr	Gly	Ile	Leu	Phe	Gly	Ala	Leu	Tyr	Thr	Ala	Gly	
145					150					155					160	
Thr	Phe	Ser	Met	Pro	Phe	Cys	Gly	Ser	Met	Val	Ile	Pro	Gln	Phe	Phe	
				165					170					175		
Cys	Asp	Val	Pro	Ser	Leu	Leu	Arg	Ile	Ser	Cys	Ser	Gly	Ser	Leu	Met	
			180					185					190			
Ile	Ile	Tyr	Ile	Ser	Leu	Gly	Ile	Gly	Met	Cys	Leu	Cys	Met	Ser	Cys	
		195				200						205				
Phe	Tyr	Cys	Val	Met	Ile	Ser	Tyr	Phe	Tyr	Ile	Ile	Ser	Thr	Val	Leu	
	210					215						220				
Lys	Ile	Pro	Thr	Thr	Arg	Gly	Gln	Ser	Lys	Ala	Phe	Ala	Thr	Cys	Ile	
225					230					235					240	
Pro	His	Leu	Thr	Val	Phe	Ser	Val	Phe	Ile	Ala	Thr	Ala	Cys	Phe	Val	
				245					250					255		
Tyr	Leu	Lys	Pro	Pro	Ser	Asp	Ile	Pro	Ser	Ile	Thr	Asp	Arg	Leu	Phe	
			260					265					270			
Ser	Val	Leu	Tyr	Thr	Val	Leu	Pro	Pro	Ala	Leu	Asn	Pro	Val	Ile	Tyr	
		275					280					285				
Ser	Leu	Arg	Asn	Ser	Asp	Val	Lys	Cys	Ser	Leu	Arg	Arg	Leu	Gln	Gln	
	290					295					300					
Asn	Leu	Cys	Pro	Arg	Asp	Ser	Tyr	Tyr	Leu	Thr	Val	Gln				

305

310

315

<210> 2232

<211> 313

<212> PRT

<213> Mus musculus

<400> 2232

```

Met His Phe Gln Thr Met Ala Asn Thr Ser Ile Val Thr Glu Phe Phe
 1           5           10           15
Leu Glu Gly Phe Cys Thr Trp Glu Leu Arg Val Leu Leu Ser Val Leu
      20           25           30
Phe Leu Leu Val Tyr Leu Cys Ser Leu Leu Gly Asn Ile Thr Ile Ile
      35           40           45
Ile Val Thr Thr Val Asp Gln Thr Leu Lys Thr Pro Met Tyr Phe Phe
      50           55           60
Leu Arg Asn Leu Ser Ile Leu Asp Met Cys Tyr Ile Ser Ile Thr Val
      65           70           75           80
Pro Ser Ala Cys Ile Asn Ser Leu Thr Asp His Arg Asn Ile Ser Val
      85           90           95
Ala Gly Cys Ala Ala Gln Ile Phe Ser Phe Leu Phe Cys Ala Leu Val
      100          105          110
Glu Ile Phe Phe Phe Phe Met Ala Gln Asp Arg Tyr Val Ala Ile Cys
      115          120          125
Lys Pro Leu Leu Tyr Pro Val Ile Met Asn His Gln Phe Cys Val Gln
      130          135          140
Met Thr Leu Ala Ser Leu Leu Ser Ser Leu Val Ile Ala Ser Val His
      145          150          155          160
Thr Phe Lys Thr Phe Gln Leu Ser Phe Cys His Ser Asn Val Ile Pro
      165          170          175
Gln Phe Phe Cys Asp Leu Pro Ala Leu Leu Arg Leu Ser Cys Ser Asp
      180          185          190
Thr Phe Asn Asn Asn Leu Leu Ile Leu Pro Thr Asp Ile Gly Val Ser
      195          200          205
Gly Ser Cys Phe Val Phe Ile Ala Ile Ser Tyr Ile Arg Ile Leu Ser
      210          215          220
Thr Val Leu Lys Ile Pro Ile Lys Arg Glu Arg Gly Lys Ala Phe Ser
      225          230          235          240
Thr Cys Val Pro His Ile Ile Val Val Ser Val Phe Val Ser Ser Ala
      245          250          255
Ala Tyr Val Tyr Leu Arg Pro Pro Val Ile Thr Phe Glu Val Val Gln
      260          265          270
Glu Met Ile Val Ser Val Phe Tyr Thr Met Val Pro Pro Phe Leu Asn
      275          280          285
Pro Ile Ile Tyr Ser Leu Arg Asn Lys Gln Ile Lys Glu Ala Val Arg
      290          295          300
Lys Val Met Ser Gln Val Phe Pro Ile
305          310

```

<210> 2233

<211> 325

<212> PRT

<213> Mus musculus

<220>

<221> VARIANT

<222> (19)...(25)

<223> Any amino acid

<400> 2233

Met	Thr	Asn	His	Thr	Met	Val	Thr	Glu	Phe	Ile	Leu	Thr	Gly	His	Pro
1				5					10					15	
Asn	Arg	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Leu	Leu	Gly	Ile	Pro	Glu	Thr
			20					25					30		
Glu	Gly	Leu	Glu	Asn	Val	Leu	Leu	Phe	Leu	Phe	Ser	Thr	Leu	Tyr	Ala
		35					40					45			
Cys	Ala	Leu	Leu	Gly	Asn	Leu	Leu	Leu	Leu	Thr	Ala	Val	Ile	Ser	Ser
	50					55					60				
Pro	Gln	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Gly	Asn	Leu	Ser	Ile
65					70					75					80
Phe	Asp	Met	Gly	Phe	Cys	Ser	Thr	Thr	Ala	Pro	Lys	Met	Leu	Ser	Tyr
				85					90					95	
Leu	Ser	Gly	Gln	Gly	Gly	Gly	Ile	Ser	Phe	Gln	Gly	Cys	Val	Val	Gln
			100					105					110		
His	Phe	Phe	Tyr	His	Cys	Leu	Gly	Cys	Thr	Glu	Cys	Phe	Leu	Tyr	Thr
		115					120					125			
Val	Met	Ala	Tyr	Asp	Arg	Phe	Val	Ala	Ile	Cys	Phe	Pro	Leu	Arg	Tyr
	130					135					140				
Thr	Ile	Ile	Met	Asn	His	Arg	Val	Cys	Cys	Val	Leu	Ala	Thr	Gly	Thr
145					150					155					160
Trp	Met	Ser	Gly	Cys	Val	His	Ala	Thr	Ile	Leu	Thr	Cys	Leu	Thr	Phe
				165					170					175	
Gln	Leu	Pro	Tyr	Cys	Gly	Pro	Ser	Asn	Val	Gly	Tyr	Tyr	Phe	Cys	Asp
			180					185					190		
Met	Pro	Ala	Val	Leu	Pro	Leu	Ala	Cys	Glu	Asp	His	Ser	Leu	Ala	Gln
		195					200					205			
Arg	Val	Gly	Phe	Thr	Asn	Val	Gly	Leu	Leu	Ser	Leu	Ile	Cys	Phe	Phe
	210					215						220			
Leu	Ile	Leu	Val	Ser	Tyr	Thr	Arg	Ile	Gly	Ile	Ser	Ile	Ser	Lys	Ile
225					230					235					240
Arg	Ser	Thr	Glu	Gly	Arg	Gln	Arg	Ala	Phe	Ser	Thr	Cys	Ser	Ala	His
				245					250					255	
Leu	Thr	Ala	Ile	Ile	Cys	Ala	Tyr	Gly	Pro	Val	Ile	Val	Ile	Tyr	Leu
		260						265					270		
Gln	Pro	Asn	Pro	Ser	Pro	Leu	Leu	Gly	Ala	Val	Ile	Gln	Ile	Leu	Asn
		275					280					285			
Asn	Leu	Val	Thr	Pro	Thr	Ile	Asn	Pro	Leu	Ile	Tyr	Ser	Leu	Arg	Asn
	290					295					300				
Lys	Asp	Val	Lys	Ala	Ala	Leu	Arg	His	Val	Phe	Leu	Lys	Arg	Ser	Leu
305					310					315					320
Ser	Leu	Glu	Ser	Lys											
				325											

<210> 2234

<211> 254

<212> PRT

<213> Mus musculus

<220>

<221> VARIANT

<222> (91)...(145)

<223> Any amino acid

<400> 2234

Met Ile Ala Gly Asn Tyr Ser Met Val Thr Glu Phe Ile Leu Ala Gly

1				5					10					15			
Leu	Thr	Ser	Thr	Pro	Glu	Leu	Gln	Leu	Pro	Leu	Phe	Phe	Leu	Phe	Leu		
			20					25					30				
Gly	Ile	Tyr	Ala	Val	Thr	Met	Val	Gly	Asn	Leu	Gly	Met	Ile	Thr	Leu		
		35					40					45					
Ile	Leu	Leu	Ser	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser		
	50					55					60						
Ser	Leu	Ser	Phe	Ile	Asp	Leu	Cys	His	Ser	Thr	Val	Ile	Thr	Pro	Lys		
65					70					75					80		
Met	Leu	Val	Asn	Phe	Val	Thr	Val	Lys	Asn	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa		
			85						90					95			
Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa		
			100					105						110			
Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa		
		115					120					125					
Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa		
	130					135					140						
Xaa	Phe	Ser	Ala	Phe	Asn	Ile	Leu	Phe	Pro	Thr	Leu	Ser	Ile	Leu	Ser		
145					150				155						160		
Ser	Tyr	Ile	Phe	Ile	Ile	Ala	Ser	Ile	Leu	Arg	Ile	Lys	Ser	Thr	Glu		
			165						170					175			
Gly	Arg	Ser	Lys	Ala	Phe	Ser	Thr	Cys	Ser	Ser	His	Ile	Ser	Ala	Val		
			180					185					190				
Ala	Val	Phe	Phe	Gly	Ser	Ala	Ala	Phe	Met	Tyr	Leu	Gln	Pro	Ser	Ser		
		195					200					205					
Val	Ser	Ser	Met	Asp	Gln	Gly	Lys	Val	Ser	Ser	Val	Phe	Tyr	Thr	Ile		
	210					215					220						
Val	Val	Pro	Met	Leu	Asn	Pro	Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp		
225					230					235					240		
Val	Lys	Val	Ala	Leu	Thr	Lys	Phe	Tyr	Glu	Lys	Ser	Phe	Ser				
			245						250								

<210> 2235
 <211> 265
 <212> PRT
 <213> Mus musculus

<220>
 <221> VARIANT
 <222> (77)...(80)
 <223> Any amino acid

<221> VARIANT
 <222> (81)...(82)
 <223> Any amino acid

<400> 2235

Met	Gly	Glu	Asp	Asn	Arg	Thr	Ser	Val	Thr	Glu	Phe	Ile	Phe	Leu	Gly		
1				5					10					15			
Leu	Ser	Gln	Asp	Pro	Gln	Thr	Gln	Val	Leu	Leu	Phe	Phe	Leu	Phe	Leu		
		20						25					30				
Phe	Ile	Tyr	Leu	Leu	Thr	Val	Leu	Gly	Asn	Leu	Leu	Ile	Ile	Val	Leu		
	35					40					45						
Ile	His	Ser	Asp	Pro	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Arg		
	50					55					60						
Asn	Leu	Ser	Phe	Ala	Asp	Leu	Cys	Phe	Ser	Thr	Thr	Xaa	Xaa	Xaa	Xaa		
65				70					75						80		
Phe	Xaa	Xaa	Cys	Leu	Gln	Pro	Leu	His	Tyr	Ser	Thr	Ile	Met	Tyr	Thr		

Glu	Gln	Asp	Met	Val	Val	Ser	Thr	Phe	Tyr	Thr	Ile	Val	Ile	Pro	Met
225					230					235				240	
Leu	Asn	Pro	Ile	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Glu	Ala
			245						250					255	
Met	Arg	Lys	Leu	Leu	Lys	Arg	Lys	Leu	Val	His	Glu				
			260					265							

<210> 2237
 <211> 321
 <212> PRT
 <213> Mus musculus

<400> 2237

Met	Ala	Asp	Arg	Asn	Leu	Thr	Val	Ile	Thr	Glu	Phe	Ile	Leu	Leu	Gly
1				5					10				15		
Leu	Thr	Glu	Asp	Pro	Val	Leu	Asn	Thr	Val	Leu	Ser	Val	Leu	Cys	Leu
			20					25				30			
Leu	Ile	Tyr	Val	Ile	Thr	Val	Ala	Gly	Asn	Leu	Trp	Ile	Ile	Val	Ile
		35					40					45			
Ile	Leu	Ala	Thr	Asp	Gln	Leu	His	Ser	Pro	Lys	Tyr	Phe	Phe	Leu	Thr
	50					55					60				
His	Leu	Ala	Phe	Leu	Asp	Phe	Cys	Tyr	Ser	Ser	Val	Phe	Leu	Pro	Lys
65					70					75					80
Met	Leu	Ile	Asn	Tyr	Leu	Val	Gly	Gln	Asn	Ser	Ile	Ser	Tyr	His	Gly
				85					90					95	
Cys	Leu	Leu	Gln	Tyr	Ser	Phe	Val	Asn	Met	Phe	Leu	Thr	Ala	Glu	Cys
			100					105					110		
Phe	Leu	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Leu	Ala	Ile	Cys	Ser
		115						120				125			
Pro	Leu	Tyr	Tyr	Arg	Cys	Leu	Met	Thr	Pro	Thr	Phe	Cys	Ile	Tyr	Leu
		130					135					140			
Val	Ser	Ala	Ser	Tyr	Leu	Leu	Gly	Cys	Ala	Asn	Ser	Leu	Thr	His	Leu
145					150					155					160
Arg	Ser	Leu	Leu	Asn	Leu	Thr	Phe	Cys	Gly	Pro	Asn	Val	Ile	Asp	His
				165					170					175	
Tyr	Phe	Cys	Asp	Ile	Pro	Leu	Leu	Phe	Gln	Leu	Ser	Cys	Ser	Asp	Thr
			180					185					190		
His	Asp	Ser	Glu	Val	Leu	Phe	Ile	Val	Leu	Ser	Gly	Ala	Thr	Ser	Ile
		195						200				205			
Thr	Thr	Phe	Leu	Ile	Val	Ile	Ser	Ser	Tyr	Leu	Gly	Ile	Leu	Ile	Thr
		210				215					220				
Val	Leu	Lys	Ile	His	Ser	Ala	Arg	Gly	Ser	Tyr	Lys	Ala	Phe	Ile	His
225					230					235					240
Leu	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Cys	Ala	Ser	His	Leu	Thr	Val	Val
				245					250					255	
Thr	Leu	Phe	Tyr	Gly	Thr	Val	Asn	Ile	Asn	Tyr	Thr	Trp	Glu	Pro	Gly
			260					265					270		
Ser	Ser	Phe	Pro	Gln	Asp	Thr	Glu	Lys	Ile	Leu	Ser	Val	Phe	Tyr	Thr
		275					280					285			
Leu	Leu	Leu	Pro	Val	Leu	Asn	Leu	Phe	Ile	Tyr	Ser	Val	Arg	Asn	Lys
		290				295					300				
Glu	Ala	Lys	Glu	Ala	Met	Arg	Arg	Met	Ile	Lys	Arg	Lys	Ile	Phe	Ala
305					310					315					320
Arg															

<210> 2238

<211> 311
<212> PRT
<213> Mus musculus

<400> 2238

Met	Asp	Thr	Trp	Asn	Tyr	Ile	Lys	Glu	Phe	Asp	Phe	Ile	Leu	Met	Gly
1				5					10					15	
Leu	Thr	Asp	Ser	Lys	Glu	Ile	Gln	Leu	Val	Leu	Ala	Ile	Val	Phe	Leu
			20					25					30		
Met	Ile	Tyr	Leu	Val	Thr	Val	Leu	Gly	Asn	Thr	Gly	Met	Met	Leu	Ile
		35					40				45				
Ile	Cys	Leu	Asp	Ala	His	Leu	His	Thr	Pro	Met	His	Phe	Phe	Leu	Thr
	50					55				60					
His	Leu	Ser	Phe	Leu	Asp	Leu	Ile	Tyr	Ser	Thr	Val	Ile	Thr	Pro	Lys
65					70					75					80
Thr	Phe	Glu	Asn	Leu	Phe	Thr	Ser	Ile	Lys	Asn	Asn	Ser	Phe	Met	Gly
			85						90					95	
Cys	Ile	Thr	Gln	Leu	Tyr	Tyr	Phe	Val	Leu	Phe	Gly	Gly	Ala	Gln	Cys
			100					105					110		
Phe	Leu	Leu	Ser	Ser	Met	Ala	Tyr	Asp	Cys	Tyr	Val	Ala	Ile	Asn	Pro
		115					120					125			
Leu	Tyr	Tyr	Leu	Ala	Val	Met	Ser	Arg	Arg	Gln	Trp	His	Ala	Phe	Leu
	130					135					140				
Ile	Gly	Ser	Tyr	Leu	Met	Gly	Ala	Ile	Asp	Ser	Ser	Ile	Asn	Met	Leu
145					150					155					160
Cys	Leu	Asn	Arg	Met	Asp	Phe	Cys	Val	Ser	His	Val	Ile	Asn	His	Phe
			165						170					175	
Phe	Cys	Asp	Thr	Pro	Thr	Ile	Leu	Ala	Leu	Ser	Tyr	Ser	Asp	Thr	Tyr
		180						185					190		
Val	Ile	Glu	Ile	Ile	Ile	Ile	Ile	Val	Phe	Arg	Ser	Ser	Leu	Met	Val
		195					200					205			
Ser	Leu	Leu	Thr	Ile	Ser	Val	Ser	Tyr	Ala	Ser	Ile	Leu	Ser	Thr	Ile
	210					215					220				
Leu	Lys	Ile	Asn	Ser	Ile	Ser	Gly	Lys	Gln	Lys	Ala	Phe	Ser	Thr	Cys
225					230					235					240
Ala	Ser	His	Leu	Leu	Ala	Val	Thr	Ile	Ser	Tyr	Ser	Thr	Ala	Ile	Phe
			245						250					255	
Thr	Tyr	Ser	Lys	Ser	Lys	Arg	Leu	Tyr	Ser	Leu	Gly	Lys	Asp	Gln	Val
		260						265					270		
Val	Ser	Ala	Leu	Tyr	Thr	Ile	Val	Ile	Pro	Met	Leu	Asn	Pro	Leu	Ile
		275					280					285			
Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Glu	Asn	Ala	Val	Ser	Arg	Val	Ile
	290					295					300				
Lys	Lys	Arg	Glu	Asp	Ser	Arg									
305					310										

<210> 2239
<211> 292
<212> PRT
<213> Mus musculus

<220>

<221> VARIANT

<222> (276)...(283)

<400> 2239

Met	Leu	Arg	Lys	Asn	Tyr	Thr	Ala	Val	Thr	Glu	Phe	Val	Leu	Leu	Gly
1				5					10					15	

Leu	Thr	Asp	Gln	Ala	Glu	Leu	Gln	Pro	Val	Leu	Phe	Val	Val	Phe	Leu
			20					25					30		
Leu	Ile	Tyr	Leu	Ile	Thr	Val	Ile	Gly	Asn	Val	Ser	Met	Ile	Phe	Leu
		35					40					45			
Ile	Arg	Ser	Asp	Ser	Lys	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser
	50					55					60				
His	Leu	Ser	Phe	Val	Asp	Leu	Cys	Tyr	Ala	Thr	Asn	Val	Thr	Pro	Gln
65					70					75					80
Met	Leu	Val	Asn	Phe	Leu	Ser	Lys	Arg	Lys	Thr	Ile	Ser	Phe	Ile	Gly
			85						90					95	
Cys	Phe	Ile	Gln	Phe	His	Phe	Phe	Ile	Ala	Leu	Val	Ile	Thr	Asp	Tyr
			100					105					110		
Tyr	Met	Leu	Thr	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Met	Ala	Ile	Cys	Lys
		115					120					125			
Pro	Leu	Leu	Tyr	Thr	Ser	Lys	Met	Ser	Arg	Ser	Val	Cys	Leu	Ser	Leu
		130				135					140				
Val	Ala	Ala	Pro	Tyr	Ile	Tyr	Gly	Phe	Ala	Asn	Gly	Leu	Ala	Gln	Thr
145					150					155					160
Ile	Leu	Met	Leu	Arg	Leu	Thr	Phe	Cys	Gly	Pro	Asn	Glu	Ile	Asn	His
				165					170					175	
Phe	Tyr	Cys	Ala	Asp	Pro	Pro	Leu	Met	Val	Leu	Ala	Cys	Ser	Asp	Thr
			180					185					190		
Tyr	Val	Lys	Glu	Thr	Ala	Met	Phe	Val	Val	Ala	Gly	Ser	Asn	Leu	Thr
		195					200					205			
Cys	Ser	Leu	Thr	Ile	Ile	Leu	Ile	Ser	Tyr	Ile	Phe	Ile	Phe	Thr	Ala
		210				215				220					
Ile	Leu	Arg	Ile	Arg	Ser	Ala	Glu	Gly	Arg	Arg	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Gly	Ser	His	Leu	Ile	Ala	Val	Thr	Val	Phe	Tyr	Gly	Thr	Leu	Phe
				245					250					255	
Cys	Met	Tyr	Leu	Arg	Pro	Pro	Ser	Glu	Lys	Ser	Val	Glu	Gln	Gly	Lys
			260				265					270			
Ile	Val	Ala	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Asp	Leu	Ser	Asn	Ala
		275				280						285			
Leu	Val	Val	Ser												
		290													

<210> 2240

<211> 247

<212> PRT

<213> Mus musculus

<400> 2240

Met	Ser	Leu	Thr	Asn	Ile	Glu	Phe	Ile	Leu	Leu	Gly	Leu	Thr	Asp	Arg
1				5					10					15	
Ser	Glu	Phe	Gln	Pro	Leu	Leu	Phe	Val	Leu	Phe	Leu	Phe	Ile	Tyr	Leu
			20					25					30		
Val	Thr	Val	Leu	Gly	Asn	Met	Cys	Ile	Met	Ala	Leu	Ile	Arg	Leu	Asp
		35					40					45			
Ser	His	Leu	His	Lys	Pro	Ile	Tyr	Phe	Phe	Leu	Ser	Asn	Leu	Ala	Phe
	50					55					60				
Val	Asp	Leu	Cys	Tyr	Thr	Ser	Thr	Ala	Thr	Pro	Gln	Ile	Leu	Thr	Asn
65					70					75					80
Val	Thr	Ile	Ser	Phe	Ile	Gly	Cys	Phe	Gln	Cys	Tyr	Leu	Leu	Pro	Thr
				85					90					95	
Phe	Tyr	Met	Leu	Ala	Pro	Met	Ala	Tyr	Asp	Leu	Tyr	Val	Ala	Ile	Cys
			100				105						110		
Asn	Pro	Leu	His	Tyr	Ser	Leu	Lys	Met	Tyr	Arg	Gln	Asp	Cys	Ile	Cys

115	120	125
Leu Ala Met Cys Pro Tyr Ile Tyr Gly Phe Ser Asp Gly Leu Phe Gln		
130	135	140
Ala Ile Leu Thr Leu Ser Ile Met Ser Tyr Lys Ser Ser Val Ile Asn		
145	150	155
His Phe Tyr Cys Ala Asp Pro Pro Leu Ile Lys Leu Ser Tyr Ser Asp		
165	170	175
Ile Tyr Ile Lys Glu His Ala Met Leu Ile Ser Ala Gly Phe Asn Leu		
180	185	190
Ser Asn Ser Leu Lys Ile Ile Leu Val Ser Tyr Ala Phe Ile Met Ala		
195	200	205
Ala Ile Leu Arg Met Lys Ser Ala Gly Gly Arg His Lys Ser Phe Ser		
210	215	220
Ser Cys Asp Ser His Met Arg Ala Val Thr Leu Phe Tyr Gly Thr Leu		
225	230	235
Phe Cys Met Tyr Val Arg Pro		
245		

<210> 2241

<211> 321

<212> PRT

<213> Mus musculus

<400> 2241

Met Ala Gly Ser Asn Ala Thr Ala Val Thr Glu Phe Ile Leu Leu Gly	
1	5
Phe Val Val Gln Arg Glu Val Glu Ile Ile Leu Phe Leu Ile Ile Leu	
20	25
Val Ile Tyr Thr Leu Thr Leu Val Gly Asn Val Gly Met Ile Ser Leu	
35	40
Ile Ser Met Asp Ser Arg Leu His Thr Pro Met Tyr Phe Phe Leu Ser	
50	55
Asn Leu Ala Phe Val Asp Leu Cys Tyr Ser Ser Ser Val Ala Pro Lys	
65	70
Phe Leu Glu Thr Leu Leu Ser Asn Arg Arg Ser Ile Ser Phe Tyr Ala	
85	90
Cys Ala Thr Gln Leu Gly Phe Phe Leu Asn Phe Leu Ile Ser Glu Met	
100	105
Phe Leu Leu Ala Val Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Asn	
115	120
Pro Leu Leu Tyr Met Val Val Met Ser Gln Lys Val Cys Leu Arg Leu	
130	135
Val Met Gly Pro Tyr Phe Tyr Ser Phe Ala Val Ala Leu Leu His Thr	
145	150
Val Val Thr Phe Lys Leu Ile Tyr Cys Gly Pro Asn Ile Ile Asn His	
165	170
Phe Tyr Cys Asp Asp Val Pro Leu Met Ala Leu Ala Cys Ser Asp Thr	
180	185
Ser Leu Lys Glu Ile Leu Ile Phe Ser Phe Ala Gly Phe Asn Met Ile	
195	200
Ser Ser Leu Thr Thr Val Leu Ile Ser Tyr Leu Tyr Ile Val Ala Ala	
210	215
Ile Leu Arg Ile Gln Ser Thr Glu Gly Arg Tyr Lys Ala Phe Ser Thr	
225	230
Cys Ala Ser His Leu Thr Ala Val Thr Ile Phe Tyr Gly Thr Leu Ile	
245	250
Phe Met Tyr Leu Gln Pro Lys Ser Ser His Ser Leu Asp Thr Asp Lys	
260	265
	270

Met	Ala	Ser	Val	Phe	Tyr	Thr	Ile	Val	Ile	Pro	Met	Leu	Asn	Pro	Met
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Gln	Glu	Val	Lys	Ser	Ala	Leu	Arg	Lys	Ala
	290					295					300				
Leu	Glu	Lys	Cys	Tyr	Leu	Leu	Pro	Leu	Met	His	Leu	Lys	Lys	Gly	Ile
305					310					315					320
Ser															

<210> 2242
 <211> 171
 <212> PRT
 <213> Mus musculus

<400> 2242

Tyr	Ser	Phe	Ala	Val	Ala	Leu	Leu	His	Thr	Val	Val	Thr	Phe	Lys	Leu
1				5					10					15	
Ile	Tyr	Cys	Gly	Pro	Asn	Ile	Ile	Asn	His	Phe	Tyr	Cys	Asp	Asp	Val
			20					25					30		
Pro	Leu	Met	Ala	Leu	Ala	Cys	Ser	Asp	Thr	Ser	Leu	Lys	Glu	Ile	Leu
		35					40					45			
Ile	Phe	Ile	Phe	Ala	Gly	Phe	Asn	Met	Ile	Ser	Ser	Leu	Thr	Thr	Val
	50					55					60				
Leu	Ile	Ser	Tyr	Leu	Tyr	Ile	Val	Ala	Ala	Ile	Leu	Arg	Ile	Gln	Ser
65					70					75					80
Thr	Glu	Gly	Arg	Cys	Lys	Ala	Phe	Ser	Thr	Cys	Ala	Ser	His	Leu	Thr
				85					90				95		
Ala	Val	Thr	Ile	Phe	Tyr	Gly	Thr	Leu	Ile	Phe	Met	Tyr	Leu	Gln	Pro
			100					105					110		
Lys	Ser	Ser	His	Ser	Leu	Asp	Thr	Asp	Lys	Met	Ala	Ser	Val	Phe	Tyr
		115					120					125			
Thr	Ile	Val	Ile	Pro	Met	Leu	Asn	Pro	Met	Ile	Tyr	Ser	Leu	Arg	Asn
	130					135					140				
Gln	Glu	Val	Lys	Ser	Ala	Leu	Arg	Lys	Ala	Leu	Glu	Lys	Cys	Tyr	Leu
145					150					155					160
Leu	Pro	Leu	Met	His	Leu	Lys	Lys	Gly	Ile	Ser					
				165					170						

<210> 2243
 <211> 183
 <212> PRT
 <213> Mus musculus

<400> 2243

Phe	Val	Val	Arg	Ser	Lys	Met	Ser	Arg	Val	Val	Cys	Ile	Arg	Leu	Ile
1				5					10					15	
Ser	Val	Pro	Tyr	Val	Tyr	Gly	Phe	Ser	Val	Ser	Leu	Ile	Cys	Thr	Leu
			20					25					30		
Trp	Thr	Tyr	Gly	Leu	Tyr	Phe	Cys	Gly	Asn	Ile	Lys	Ile	Asn	His	Phe
		35					40					45			
Tyr	Cys	Ala	Asp	Pro	Pro	Leu	Ile	Lys	Ile	Ala	Cys	Gly	Gly	Val	His
	50					55					60				
Ile	Lys	Glu	His	Thr	Met	Ile	Val	Ile	Ala	Gly	Ile	Asn	Phe	Thr	Tyr
65					70					75					80
Ser	Leu	Ser	Val	Val	Leu	Ile	Ser	Tyr	Val	Leu	Ile	Val	Val	Ala	Val
				85					90					95	
Leu	Arg	Met	His	Ser	Ala	Asp	Gly	Arg	Arg	Lys	Ala	Phe	Ser	Thr	Cys

			100					105					110				
Gly	Ser	His	Leu	Thr	Ala	Val	Ser	Met	Phe	Tyr	Gly	Thr	Leu	Ile	Phe		
		115						120				125					
Met	Tyr	Leu	Arg	Arg	Pro	Thr	Glu	Glu	Ser	Val	Glu	Gln	Gly	Lys	Met		
	130					135					140						
Val	Ala	Val	Phe	Tyr	Thr	Ser	Val	Ile	Pro	Met	Leu	Asn	Pro	Met	Ile		
145					150					155					160		
Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Glu	Ala	Val	Tyr	Lys	Ile	Val		
			165						170					175			
Ala	Lys	Ala	Asn	Leu	Arg	Lys											
			180														

<210> 2244
 <211> 154
 <212> PRT
 <213> Mus musculus

<400> 2244																	
Cys	Thr	Leu	Trp	Thr	Tyr	Gly	Leu	Tyr	Phe	Cys	Gly	Asn	Val	Lys	Ile		
1				5					10					15			
Asn	His	Phe	Tyr	Cys	Ala	Asp	Pro	Pro	Leu	Ile	Lys	Ile	Ala	Cys	Gly		
		20						25					30				
Gly	Val	His	Ile	Lys	Glu	Tyr	Thr	Met	Ile	Val	Ile	Ala	Gly	Ile	Asn		
		35					40					45					
Phe	Thr	Tyr	Ser	Leu	Ser	Val	Val	Leu	Ile	Ser	Tyr	Val	Leu	Ile	Val		
	50					55				60							
Val	Ala	Val	Leu	Arg	Met	His	Ser	Ala	Asp	Gly	Arg	Arg	Lys	Ala	Phe		
65					70				75						80		
Ser	Thr	Cys	Gly	Ser	His	Leu	Thr	Ala	Val	Ser	Met	Phe	Tyr	Gly	Thr		
			85						90					95			
Leu	Ile	Phe	Met	Tyr	Leu	Arg	Arg	Pro	Thr	Glu	Glu	Ser	Val	Glu	Gln		
			100					105					110				
Gly	Lys	Met	Val	Ala	Val	Phe	Tyr	Thr	Ser	Val	Ile	Pro	Met	Leu	Asn		
		115					120					125					
Pro	Met	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Glu	Ala	Val	Cys		
	130					135					140						
Lys	Ile	Val	Ala	Lys	Ala	Asn	Leu	Arg	Lys								
145					150												

<210> 2245
 <211> 271
 <212> PRT
 <213> Mus musculus

<220>
 <221> VARIANT
 <222> (92)...(156)
 <223> Any amino acid

<400> 2245																	
Met	Pro	Leu	Thr	Asn	Ser	Thr	Lys	Ile	Thr	Glu	Phe	Ile	Leu	Leu	Gly		
1				5					10					15			
Leu	Thr	Asp	Arg	Pro	Glu	Leu	Gln	Pro	Leu	Leu	Phe	Val	Leu	Phe	Leu		
		20						25					30				
Phe	Val	Tyr	Ile	Val	Thr	Val	Leu	Gly	Asn	Met	Gly	Met	Val	Ala	Leu		
		35					40				45						
Ile	Arg	Leu	Asp	Ser	Arg	Leu	His	Lys	Pro	Met	Tyr	Phe	Phe	Leu	Ser		

50		55		60											
Asn	Leu	Ala	Phe	Val	Asp	Leu	Cys	Tyr	Thr	Ser	Thr	Ala	Thr	Pro	Gln
65					70					75					80
Met	Leu	Thr	Asn	Phe	Leu	Ser	Glu	Lys	Lys	Thr	Xaa	Xaa	Xaa	Xaa	Xaa
			85						90						95
Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa
			100					105					110		
Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	His	Xaa	Xaa	Xaa	Xaa	Xaa
			115					120				125			
Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa
			130					135				140			
Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Ser	Leu	Thr	Ile
145					150					155					160
Ile	Leu	Val	Ser	Tyr	Ala	Phe	Ile	Ile	Ala	Ala	Ile	Leu	Arg	Ile	Lys
			165						170					175	
Ser	Ala	Glu	Gly	Arg	His	Lys	Ala	Phe	Ser	Thr	Cys	Gly	Ser	His	Met
			180					185					190		
Met	Ala	Val	Thr	Leu	Phe	Tyr	Gly	Thr	Leu	Phe	Cys	Met	Tyr	Val	Arg
			195					200				205			
Pro	Pro	Thr	Asp	Lys	Thr	Val	Glu	Glu	Ser	Lys	Ile	Ile	Ala	Val	Phe
			210			215					220				
Tyr	Thr	Phe	Val	Ser	Pro	Leu	Leu	Asn	Pro	Leu	Ile	Tyr	Ser	Leu	Arg
225					230					235					240
Asn	Lys	Asp	Val	Lys	Gln	Ala	Leu	Lys	Thr	Ile	Leu	Arg	Gln	Asn	Val
			245						250					255	
Ile	Arg	Thr	Ala	Leu	Met	Arg	Pro	Pro	Ser	Asn	Lys	Leu	Gln	Gln	
			260					265					270		

<210> 2246
 <211> 313
 <212> PRT
 <213> Mus musculus

<400> 2246

Met	Glu	Arg	Lys	Asn	Gln	Thr	Thr	Val	Leu	Glu	Phe	Leu	Phe	Leu	Gly
1				5					10					15	
Leu	Thr	Asp	Tyr	Leu	His	Gln	Lys	Val	Val	Leu	Phe	Ile	Ile	Phe	Phe
			20					25					30		
Leu	Val	Tyr	Leu	Val	Thr	Leu	Ala	Gly	Asn	Val	Gly	Met	Ile	Asn	Leu
			35					40				45			
Ile	Trp	Val	Asp	Pro	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser
			50			55					60				
Gln	Leu	Ala	Phe	Val	Asp	Val	Cys	Ser	Ser	Ser	Cys	Val	Ala	Pro	Lys
65					70					75					80
Met	Leu	Ser	Asp	Ile	Phe	Ala	Glu	Lys	Lys	Ala	Ile	Ser	Phe	Met	Gly
			85						90					95	
Cys	Ala	Ala	Gln	Met	Trp	Phe	Phe	Gly	Leu	Phe	Val	Thr	Thr	Asp	Cys
			100					105					110		
Phe	Leu	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Tyr	Thr	Ala	Val	Cys	Lys	Pro
			115					120				125			
Leu	Leu	Tyr	Ser	Val	Ile	Met	Ser	Lys	Arg	Val	Cys	Val	Gln	Phe	Val
			130			135					140				
Ile	Gly	Pro	Tyr	Leu	Leu	Ala	Ala	Ile	Asn	Ile	Thr	Thr	His	Thr	Thr
145					150					155					160
Leu	Thr	Phe	Cys	Leu	Pro	Phe	Cys	Gly	Ser	Asn	Thr	Ile	Asn	His	Phe
			165						170					175	
Phe	Cys	Asp	Val	Ser	Pro	Leu	Leu	Ser	Leu	Ala	Cys	Ala	Asp	Thr	Trp
			180					185					190		

Ile	Asn	Lys	Val	Val	Leu	Phe	Val	Leu	Ala	Gly	Val	Ile	Gly	Val	Pro
	195						200					205			
Ser	Gly	Leu	Ile	Ile	Ile	Val	Ser	Tyr	Val	Cys	Ile	Leu	Val	Ala	Ile
	210					215					220				
Leu	Lys	Ile	Lys	Thr	Ala	Asp	Gly	Arg	Gln	Lys	Ala	Phe	Ser	Thr	Cys
225					230					235					240
Ser	Ser	His	Leu	Ala	Ala	Val	Ser	Ile	Leu	Tyr	Gly	Thr	Leu	Phe	Phe
			245						250					255	
Ile	Tyr	Val	Arg	Pro	Asn	Ala	Ser	Ser	Ser	Leu	Asp	Ile	Asn	Lys	Val
		260					265						270		
Ile	Ser	Leu	Phe	Tyr	Thr	Val	Val	Ile	Pro	Met	Leu	Asn	Pro	Leu	Ile
	275					280						285			
Tyr	Ser	Ser	Arg	Asn	Lys	Glu	Val	Lys	Asp	Ala	Val	Lys	Arg	Ile	Leu
	290					295					300				
Arg	Ser	Asn	His	Phe	Leu	Thr	Gly	Ala							
305					310										

<210> 2247

<211> 294

<212> PRT

<213> Mus musculus

<220>

<221> VARIANT

<222> (95)...(101)

<223> Any amino acid

<400> 2247

Met	Asp	Glu	Glu	Asn	Ile	Thr	Glu	Val	Thr	Glu	Phe	Ile	Leu	Leu	Gly
1				5					10					15	
Phe	Thr	Glu	Asp	Ala	Val	Leu	Gln	Gln	Val	Leu	Phe	Phe	Ile	Phe	Leu
			20					25					30		
Thr	Ile	Tyr	Ile	Ile	Ser	Leu	Leu	Gly	Asn	Ile	Thr	Leu	Ile	Ser	Leu
		35				40						45			
Ile	Cys	Ala	Asp	Ser	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Ile	Gly
	50					55					60				
Asn	Leu	Ser	Phe	Leu	Asp	Leu	Trp	Tyr	Ser	Ser	Val	Tyr	Ala	Pro	Lys
65					70					75					80
Ile	Leu	Ile	Thr	Cys	Ile	Thr	Glu	Asp	Lys	Ser	Ile	Ser	Phe	Xaa	Xaa
				85					90					95	
Xaa	Xaa	Xaa	Xaa	Xaa	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Ser	Asn	Pro
			100					105					110		
Leu	Leu	Tyr	Phe	Gln	Ala	Met	Ser	Pro	Arg	Leu	Arg	Ala	Ser	Leu	Val
		115					120					125			
Ala	Ala	Ser	Tyr	Leu	Gly	Gly	Phe	Ala	Asn	Ser	Thr	Ile	Ile	Thr	Ser
	130					135					140				
Glu	Thr	Phe	Thr	Leu	Ser	Phe	Cys	Arg	Asp	Asn	Ile	Ile	Asp	Asp	Phe
145					150					155					160
Phe	Cys	Asp	Leu	Pro	Pro	Leu	Val	Lys	Leu	Ala	Cys	Asp	Val	Lys	Glu
			165						170					175	
Ser	Tyr	Gln	Ala	Val	Leu	Tyr	Phe	Ile	Leu	Ala	Ser	Asn	Val	Ile	Thr
		180						185					190		
Pro	Thr	Val	Leu	Ile	Leu	Ala	Ser	Tyr	Leu	Phe	Ile	Ile	Val	Ala	Ile
		195					200					205			
Leu	Lys	Ile	Arg	Ser	Thr	Gln	Gly	Arg	Leu	Lys	Ala	Phe	Ser	Thr	Cys
	210					215					220				
Gly	Ser	His	Leu	Thr	Ala	Val	Thr	Leu	Tyr	Tyr	Gly	Ser	Ile	Leu	Phe
225					230					235					240

Ile	Tyr	Ser	Arg	Pro	Ser	Thr	Ser	Tyr	Ala	Leu	Glu	Arg	Asp	Lys	Val
				245					250					255	
Val	Ser	Val	Phe	Tyr	Thr	Val	Val	Ile	Pro	Met	Leu	Asn	Pro	Met	Ile
			260					265					270		
Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Asp	Ala	Leu	Arg	Lys	Met	Leu
		275					280					285			
Asp	Ile	Val	Lys	Leu	Ser										
	290														

<210> 2248
 <211> 153
 <212> PRT
 <213> Mus musculus

Thr	Ala	Asn	Thr	Phe	Gln	Leu	Thr	Phe	Cys	Gly	Glu	Asn	Ile	Ile	Asp
1				5					10					15	
His	Phe	Phe	Cys	Asp	Ala	Pro	Pro	Leu	Val	Lys	Met	Leu	Cys	Thr	Asp
			20					25					30		
Thr	Arg	Val	Tyr	Glu	Lys	Val	Leu	Leu	Gly	Val	Val	Gly	Phe	Thr	Met
		35					40					45			
Leu	Ser	Ser	Ile	Leu	Ala	Ile	Leu	Ile	Ser	Tyr	Phe	Asn	Ile	Leu	Leu
	50					55					60				
Ala	Ile	Leu	Arg	Ile	Cys	Ser	Ala	Ser	Gly	Arg	His	Asn	Ala	Phe	Ser
65					70					75				80	
Thr	Cys	Ala	Ser	His	Leu	Val	Ser	Val	Met	Leu	Phe	Tyr	Gly	Pro	Phe
				85					90					95	
Leu	Phe	Met	Tyr	Ser	Arg	Pro	Ser	Ser	Thr	Tyr	Ser	Leu	Glu	Lys	Asp
		100						105					110		
Lys	Val	Ala	Ala	Leu	Phe	Tyr	Thr	Val	Asp	Asn	Pro	Leu	Phe	Asn	Pro
		115					120					125			
Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Gly	Ala	Phe	Arg	Lys
	130					135					140				
Ala	Ser	Gln	Thr	Ile	Gln	Pro	His	Thr							
145					150										

<210> 2249
 <211> 316
 <212> PRT
 <213> Mus musculus

Met	Lys	Asp	Lys	Asn	Glu	Thr	Thr	Val	Ser	Glu	Ser	Leu	Phe	Leu	Ser
1				5					10					15	
Leu	Thr	Asn	Arg	Leu	Tyr	Gln	Lys	Ser	Ile	Leu	Phe	Ile	Leu	Phe	Leu
			20					25					30		
Phe	Val	Tyr	Leu	Val	Thr	Leu	Gly	Gly	Gly	Asn	Leu	Ser	Met	Val	Thr
		35					40					45			
Leu	Ile	Trp	Val	Asp	Pro	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu
	50					55					60				
Ser	His	Leu	Ser	Phe	Val	Asp	Met	Cys	Ser	Ser	Ser	Ser	Ile	Ala	Pro
65					70					75				80	
Arg	Met	Val	Tyr	Asp	Ile	Phe	Thr	Glu	Glu	Lys	Ile	Lys	His	Phe	Phe
				85					90					95	
Leu	Gly	Cys	Thr	Val	Gln	Leu	Trp	Phe	Ala	Gly	Leu	Phe	Val	Gly	Thr
			100					105					110		
Gly	Cys	Phe	Leu	Leu	Ala	Asn	Met	Ala	Tyr	Glu	Trp	Tyr	Thr	Ala	Ile

Leu	Val	Thr	Ser	Leu	Phe	Gly	Ile	Leu	Pro	Leu	Ser	Gly	Ile	Ile	Tyr
210						215					220				
Ser	Tyr	Thr	Lys	Ile	Ile	Ser	Ser	Val	Leu	Lys	Ile	Pro	Ser	Ala	Ala
225					230					235					240
Gly	Lys	Tyr	Lys	Val	Phe	Ser	Thr	Cys	Val	Ser	His	Leu	Val	Val	Val
				245					250					255	
Ile	Leu	Phe	Tyr	Gly	Thr	Gly	Phe	Gly	Val	Tyr	Leu	Ser	Ser	Ala	Gly
			260					265						270	
Thr	His	Ser	Ser	Arg	Met	Ser	Ala	Ile	Ala	Ser	Val	Met	Tyr	Thr	Val
		275					280					285			
Val	Thr	Pro	Thr	Met	Asn	Pro	Phe	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp
	290					295					300				
Met	Val	Asn	Ala	Phe	Lys	Lys	Leu	Ile	Ser	Arg	Ile	Thr	Thr	Ser	Leu
305					310					315					320

<210> 2251

<211> 312

<212> PRT

<213> Mus musculus

<400> 2251

Met	Lys	Arg	Gly	Asn	Val	Ser	Glu	Ser	Thr	Glu	Phe	His	Leu	Met	Gly
1				5					10					15	
Leu	Ser	Asp	Asn	Gln	Glu	Leu	Gln	Pro	Val	Leu	Phe	Gly	Val	Phe	Leu
			20					25					30		
Ser	Ile	Tyr	Leu	Ile	Thr	Met	Phe	Gly	Asn	Leu	Leu	Ile	Ile	Leu	Ala
		35					40					45			
Thr	Val	Phe	Asp	Ser	Asn	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Ile	Ser
	50				55						60				
Asn	Leu	Ser	Phe	Ile	Asp	Ile	Cys	Phe	Thr	Thr	Thr	Thr	Ile	Pro	Lys
65					70				75						80
Met	Leu	Val	Asn	Ile	Gln	Ala	Gln	Val	Asn	Ser	Ile	Ser	Tyr	Thr	Gly
			85					90						95	
Cys	Leu	Thr	Gln	Ile	Cys	Phe	Val	Leu	Ala	Phe	Ala	Gly	Leu	Glu	Asn
			100					105					110		
Gly	Ile	Leu	Val	Met	Met	Ala	Tyr	Asp	Arg	Phe	Val	Ala	Ile	Cys	His
		115					120					125			
Pro	Leu	Arg	Tyr	Thr	Val	Ile	Met	Asn	Pro	Lys	Ile	Cys	Gly	Val	Met
	130					135					140				
Val	Leu	Leu	Ser	Phe	Leu	Ile	Ser	Ile	Leu	Asp	Ala	Leu	Leu	His	Thr
145					150					155					160
Leu	Met	Ala	Leu	His	Leu	Ser	Phe	Cys	Thr	Lys	Val	Glu	Ile	Pro	His
				165					170					175	
Phe	Phe	Cys	Glu	Leu	Ala	His	Ile	Leu	Lys	Leu	Ala	Cys	Ser	Asn	Ile
			180					185					190		
Leu	Ile	Asn	Asn	Ile	Leu	Val	Tyr	Leu	Val	Thr	Ser	Leu	Leu	Gly	Val
		195					200					205			
Leu	Pro	Leu	Ser	Gly	Ile	Ile	Tyr	Ser	Tyr	Thr	Arg	Ile	Ile	Ser	Ser
	210					215					220				
Val	Leu	Lys	Ile	Pro	Ser	Ala	Ala	Gly	Lys	Tyr	Lys	Val	Phe	Ser	Ile
225					230					235					240
Cys	Ala	Ser	His	Leu	Val	Val	Val	Ile	Leu	Phe	Tyr	Gly	Thr	Gly	Phe
				245					250					255	
Gly	Val	Tyr	Leu	Ser	Ser	Ala	Gly	Thr	His	Ser	Ser	Arg	Lys	Ser	Ala
		260						265					270		
Ile	Ala	Ser	Val	Met	Tyr	Thr	Val	Val	Thr	Pro	Met	Met	Asn	Pro	Phe
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Met	Val	Ser	Ala	Phe	Lys	Lys	Leu

290 295 300
 Ile Ser Arg Ile Thr Thr Ser Leu
 305 310

<210> 2252
 <211> 117
 <212> PRT
 <213> Mus musculus

<400> 2252
 Ile Glu Phe Tyr Phe Val Phe Ser Val Leu Leu Leu Glu Arg Cys Asn
 1 5 10 15
 Ser Glu Thr Lys Gln Leu Phe Leu Glu Phe His Leu Leu Gly Leu Thr
 20 25 30
 Asn Asp Pro Glu Leu Glu Pro Leu Ile Tyr Gly Leu Phe Arg Leu Tyr
 35 40 45
 Leu Phe Thr Ile Leu Gly Asn Ile Val Ile Leu Leu Ala Ile Phe Ser
 50 55 60
 Asp Ser His Leu His Thr Pro Met Tyr Phe Phe Leu Ser Arg Leu Ser
 65 70 75 80
 Ile Asn Asp Val Cys Leu Ser Ile Ser Thr Ile Pro Lys Met Leu Val
 85 90 95
 Asn Ser Gln Ala Gln Asp Asn Lys Ile Ser Tyr Ile Gln Cys Ile Ser
 100 105 110
 Gln Ile Tyr Phe Val
 115

<210> 2253
 <211> 178
 <212> PRT
 <213> Mus musculus

<400> 2253
 Val Ile Ser Phe Leu Val Ala Ala Arg Ser Lys Ser Gly Ser Ala Cys
 1 5 10 15
 Phe Lys Val His Ser Leu Met Val Leu Gln Leu Ser Phe Gly Thr Asn
 20 25 30
 Leu Glu Ile His Asn Phe Phe Cys Glu Leu Ala Gln Val Leu Asn Leu
 35 40 45
 Ala Cys Phe Asp Thr Phe Ile Asn Asn Leu Leu Ile Leu Val Ala Val
 50 55 60
 Phe Ile Phe Met Ser Gly Gln Val Cys Gly Val Ile Phe Ser Tyr Thr
 65 70 75 80
 Tyr Ile Leu Leu Ser Val Leu Arg Met Thr Ser Gln Thr Gly Lys Lys
 85 90 95
 Lys Ala Phe Ser Thr Cys Thr Ser His Leu Ser Val Ile Phe Leu Phe
 100 105 110
 Tyr Gly Ser Cys Leu Gly Val Tyr Phe Ser Ser Ser Val Ala Glu Phe
 115 120 125
 Thr Arg His Ser Ala Val Ala Ser Val Met Tyr Thr Val Asp Pro Gln
 130 135 140
 Met Leu Asn Pro Phe Ile Tyr Ser Leu Arg Asn Arg His Glu Glu Ser
 145 150 155 160
 Leu Ser Glu Ile His Trp Leu Asp Ile Leu Gly Ser Pro Leu Cys Ser
 165 170 175
 Leu Ile

<210> 2254
 <211> 308
 <212> PRT
 <213> Mus musculus

<400> 2254
 Met Glu Leu Cys Asn Val Thr Ser Thr Leu Glu Phe Leu Leu Leu Gly
 1 5 10 15
 Leu Ser Glu Asp Pro Glu Leu Gln Pro Val Leu Phe Ala Leu Phe Leu
 20 25 30
 Leu Ile Tyr Leu Leu Thr Val Leu Gly Asn Val Leu Ile Leu Ala
 35 40 45
 Ile Ser Ser Asp Ser His Leu His Ser Pro Met Tyr Phe Phe Leu Tyr
 50 55 60
 Asn Leu Ser Leu Ser Asp Met Gly Phe Ser Ser Thr Thr Ile Pro Lys
 65 70 75 80
 Met Leu Ile Asn Thr Gln Thr His Asn Lys Ser Ile Thr Tyr Ala Ala
 85 90 95
 Cys Leu Thr Gln Val Pro Phe Phe Phe Leu Phe Gly Cys Met Asp Ser
 100 105 110
 Leu Leu Leu Thr Val Lys Ala Cys Asp Trp Val Ala Ile Cys Tyr Ser
 115 120 125
 Leu Tyr Tyr Gln Ile Ile Leu Asn Pro Cys Leu Cys Lys Cys Leu Val
 130 135 140
 Ile Val Ser Phe Phe Ile Ser Pro Met Asp Ser Gln Val His Phe Phe
 145 150 155 160
 Met Val Ser Gln Leu Lys Phe Cys Thr Asn Leu Glu Ile Pro His Phe
 165 170 175
 Phe Ser Asp Gly Thr Glu Ile Leu Lys Leu Ala Cys Thr Asp Ile Thr
 180 185 190
 Ile Ile Asn Ile Ala Ile Phe Leu Val Asn Ile Ile Ala Gly Phe Leu
 195 200 205
 Pro Ala Leu Gly Ile Phe Tyr Ser Tyr Tyr Lys Ile Ile Ser Ser Ile
 210 215 220
 Val Arg Val Leu Ser Ser Leu Gln Lys Tyr Lys Asp Phe Ser Thr Cys
 225 230 235 240
 Gly Phe His Leu Ser Val Val Cys Leu Phe Tyr Gln Thr Gly Ile Gly
 245 250 255
 Val Tyr Leu Ser Thr Tyr Ile Ser Ser Ser Ser Lys Glu Cys Val Val
 260 265 270
 Ala Leu Val Ile Tyr Thr Met Val Val Pro Met Met Asn Pro Phe Ile
 275 280 285
 Tyr Ile Leu Arg Asn Arg Asp Ile Lys Asn Asn Leu Gln Lys Ile Phe
 290 295 300
 Thr Gln Ile Lys
 305

<210> 2255
 <211> 321
 <212> PRT
 <213> Mus musculus

<400> 2255
 Met Glu Ser Tyr Asn Leu Thr Arg Thr Leu Glu Phe Leu Leu Leu Gly
 1 5 10 15
 Leu Ser Glu Asp Pro Glu Leu Gln Pro Val Leu Phe Val Leu Phe Leu

Ile	Ile	Leu	Ser	Tyr	Ile	Cys	Ile	Leu	Arg	Thr	Ile	Leu	Lys	Phe	Pro
			100					105					110		
Ser	Ala	Lys	Gln	Arg	Glu	Lys	Ala	Phe	Ser	Thr	Cys	Ser	Ser	His	Met
		115					120					125			
Ile	Val	Ile	Ser	Ile	Ser	Tyr	Gly	Ser	Cys	Ile	Phe	Met	Tyr	Val	Lys
	130					135					140				
Thr	Ser	Ala	Lys	Ala	Gly	Val	Ala	Leu	Thr	Lys	Gly	Val	Ala	Met	Leu
145					150					155					160
Asn	Thr	Ser	Val	Ala	Pro	Met	Leu	Asn	Pro	Phe	Ile	Tyr	Thr	Leu	Arg
			165						170					175	
Asn	Gln	Gln	Val	Lys	Gln	Ala	Phe	Lys	Asp	Leu	Val	Arg	Arg	Lys	Leu
			180					185					190		
Ala	Ser	Lys													
		195													

<210> 2257
 <211> 312
 <212> PRT
 <213> Mus musculus

<400> 2257

Met	Lys	Asn	His	Ser	Val	Ile	Thr	Glu	Phe	Val	Leu	Leu	Gly	Ile	Ser
1				5					10					15	
Asp	Asp	Pro	Glu	Val	Gln	Val	Val	Ile	Phe	Ile	Leu	Leu	Phe	Ile	Ala
			20					25					30		
Tyr	Ile	Leu	Ser	Val	Thr	Gly	Asn	Leu	Thr	Ile	Ile	Ile	Leu	Thr	Leu
		35					40					45			
Leu	Asp	Ser	Gln	Leu	Lys	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Gln	Asn	Phe
	50					55				60					
Ser	Phe	Leu	Glu	Ile	Ile	Phe	Thr	Ser	Val	Ser	Ile	Pro	Arg	Phe	Leu
65					70					75					80
Glu	Ser	Ile	Ile	Thr	Lys	Val	Lys	Thr	Ile	Ser	Tyr	Asn	Asn	Cys	Leu
				85					90					95	
Ala	Gln	Leu	Tyr	Phe	Phe	Ile	Ser	Met	Gly	Val	Ser	Glu	Phe	Phe	Leu
			100					105					110		
Leu	Thr	Ala	Met	Ser	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu
		115					120					125			
His	Tyr	Thr	Leu	Ile	Met	Asn	Gln	Lys	Val	Cys	Thr	Leu	Leu	Val	Leu
	130					135					140				
Ala	Ser	Trp	Leu	Ala	Gly	Phe	Leu	Thr	Ile	Phe	Pro	Pro	Leu	Met	Leu
145					150					155					160
Val	Leu	Lys	Leu	Asp	Phe	Cys	Ala	Ser	Asn	Val	Ile	Asp	His	Phe	Ser
				165					170					175	
Cys	Asp	Tyr	Phe	Pro	Ile	Leu	Gln	Leu	Ser	Cys	Ser	Asp	Thr	Arg	Ser
			180					185					190		
Leu	Glu	Met	Ile	Gly	Phe	Tyr	Phe	Ala	Phe	Ile	Thr	Leu	Leu	Phe	Thr
		195					200					205			
Leu	Ala	Leu	Val	Ile	Leu	Ser	Tyr	Ile	Ser	Ile	Ile	Ser	Thr	Ile	Leu
	210					215					220				
Arg	Phe	Pro	Ser	Ala	Ser	Gln	Arg	Lys	Lys	Ala	Phe	Ser	Thr	Cys	Ser
225					230					235					240
Ser	His	Met	Ile	Val	Ile	Ser	Ile	Ser	Tyr	Gly	Ser	Cys	Ile	Phe	Met
				245					250					255	
Tyr	Val	Lys	Pro	Ser	Ala	Asn	Glu	Arg	Ala	Ser	Leu	Thr	Lys	Gly	Val
			260					265					270		
Ala	Val	Leu	Asn	Thr	Ser	Ile	Ala	Pro	Met	Leu	Asn	Pro	Phe	Ile	Tyr
		275					280					285			
Ser	Leu	Arg	Asn	Glu	Gln	Val	Lys	Gln	Ala	Phe	Lys	Asp	Leu	Ile	Asn

290 295 300
 Lys Val Val Leu Tyr Arg Ser Lys
 305 310

<210> 2258
 <211> 314
 <212> PRT
 <213> Mus musculus

<400> 2258
 Met Lys Asn Gln Ser Met Glu Leu Asp Phe Ile Leu Leu Gly Leu Thr
 1 5 10 15
 Asp Asp Pro Gln Leu Gln Ile Val Val Phe Leu Phe Leu Phe Leu Asn
 20 25 30
 Tyr Met Met Ser Leu Val Gly Asn Leu Ile Ile Val Leu Leu Thr Leu
 35 40 45
 Leu Asp Pro Arg Leu Lys Thr Pro Met Tyr Phe Phe Leu Arg Asn Phe
 50 55 60
 Ser Tyr Leu Glu Ile Met Phe Thr Thr Val Cys Ile Pro Lys Phe Leu
 65 70 75 80
 Thr Ala Ile Val Thr Gly Asp Lys Thr Val Ser Tyr Asn Asn Cys Ala
 85 90 95
 Thr Gln Leu Phe Thr Tyr Leu Leu Leu Gly Val Thr Glu Phe Tyr Leu
 100 105 110
 Leu Ala Ala Met Ser Tyr Asp Arg Tyr Val Ala Ile Cys Arg Pro Leu
 115 120 125
 His Tyr Pro Ile Ile Met Asn Ser Lys Val Cys His Gln Leu Val Leu
 130 135 140
 Ser Ser Trp Val Thr Gly Phe Leu Ile Ile Phe Pro Pro Leu Ala Met
 145 150 155 160
 Gly Leu Lys Leu Asp Phe Cys Asp Ser Arg Ile Ile Asp His Phe Met
 165 170 175
 Cys Glu Thr Ser Pro Ile Leu Gln Ile Ser Cys Thr Asp Thr His Phe
 180 185 190
 Ile Glu Met Met Ser Phe Val Leu Ala Val Val Thr Leu Val Val Thr
 195 200 205
 Leu Val Leu Val Ser Leu Ser Tyr Ser Phe Ile Ile Lys Thr Ile Met
 210 215 220
 Ser Phe Pro Ser Ala Gln Gln Arg Thr Lys Ala Phe Ser Thr Cys Thr
 225 230 235 240
 Ser His Met Ile Val Val Ser Ile Thr Tyr Gly Ser Cys Ile Phe Met
 245 250 255
 Tyr Ile Lys Pro Ser Ala Arg Glu Arg Val Ser Val Ser Lys Gly Val
 260 265 270
 Ala Leu Leu Tyr Thr Ser Ile Ala Pro Leu Leu Asn Pro Phe Ile Tyr
 275 280 285
 Thr Leu Arg Asn Gln Gln Val Lys Glu Val Phe Trp Asp Ile Leu Arg
 290 295 300
 Lys Thr Leu Gly Phe Leu Lys Asn Lys Val
 305 310

<210> 2259
 <211> 145
 <212> PRT
 <213> Mus musculus

<400> 2259

Phe	Cys	Ala	Ser	Asn	Val	Ile	Asp	His	Phe	Leu	Cys	Asp	Val	Ser	Pro
1				5					10					15	
Leu	Leu	Gln	Leu	Ser	Cys	Ser	Asp	Thr	Ser	Leu	Leu	Glu	Val	Met	Ala
		20						25					30		
Phe	Ile	Leu	Ala	Leu	Met	Thr	Leu	Ile	Val	Thr	Leu	Ile	Ile	Val	Ile
		35					40					45			
Leu	Ser	Tyr	Ala	His	Ile	Val	Lys	Thr	Ile	Ile	Lys	Phe	Pro	Ser	Ala
	50					55					60				
Gln	Gln	Lys	Lys	Lys	Ala	Phe	Ser	Thr	Cys	Ser	Ser	His	Met	Ile	Val
65					70					75					80
Val	Ser	Leu	Thr	Tyr	Gly	Ser	Cys	Ile	Phe	Ile	Tyr	Ile	Lys	Pro	Ser
			85						90					95	
Ala	Asn	Glu	Arg	Val	Thr	Leu	Ser	Lys	Gly	Ile	Ala	Val	Leu	Asn	Thr
			100					105					110		
Ser	Val	Ala	Pro	Leu	Leu	Asn	Pro	Phe	Ile	Tyr	Thr	Leu	Arg	Asn	Lys
		115					120					125			
Gln	Val	Lys	Gln	Ala	Cys	Gly	Ala	Ile	Leu	Arg	Lys	Ile	Phe	Ser	Ala
	130					135					140				
Ser															
145															

<210> 2260

<211> 313

<212> PRT

<213> Mus musculus

<400> 2260

Met	Ser	Val	Ala	Asn	Glu	Ser	Ile	Ser	Arg	Glu	Phe	Ile	Leu	Leu	Gly
1				5					10					15	
Phe	Ser	Asp	Arg	Pro	Trp	Leu	Glu	Leu	Pro	Leu	Phe	Val	Val	Phe	Leu
		20						25					30		
Val	Ser	Tyr	Ile	Leu	Thr	Ile	Phe	Gly	Asn	Met	Met	Ile	Ile	Leu	Val
		35					40					45			
Ser	Arg	Leu	Asp	Ser	Lys	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Thr
	50					55					60				
Asn	Leu	Ser	Leu	Leu	Asp	Leu	Cys	Tyr	Thr	Thr	Ser	Thr	Val	Pro	Gln
65					70					75					80
Met	Leu	Ile	Asn	Ile	Cys	Ser	Thr	Arg	Lys	Val	Ile	Ser	Tyr	Gly	Gly
			85					90						95	
Cys	Val	Ala	Gln	Leu	Phe	Ile	Phe	Leu	Ala	Leu	Gly	Ser	Thr	Glu	Cys
			100					105					110		
Phe	Leu	Leu	Gly	Val	Met	Ser	Phe	Asp	Arg	Phe	Val	Ala	Ile	Cys	Arg
		115					120					125			
Pro	Leu	His	Tyr	Ser	Val	Ile	Met	His	Gln	Arg	Arg	Cys	Leu	Gln	Leu
	130					135					140				
Ala	Ala	Ala	Cys	Trp	Ile	Ser	Gly	Phe	Ser	Asn	Ser	Val	Leu	Gln	Ser
145					150					155					160
Thr	Trp	Thr	Leu	Gln	Met	Pro	Leu	Cys	Gly	His	Lys	Glu	Val	Asp	His
			165						170					175	
Phe	Phe	Cys	Glu	Val	Pro	Ala	Leu	Leu	Lys	Leu	Ser	Cys	Val	Asp	Thr
			180					185					190		
Thr	Ala	Asn	Glu	Ala	Glu	Leu	Phe	Phe	Ile	Ser	Val	Leu	Phe	Leu	Leu
		195					200					205			
Ile	Pro	Val	Thr	Leu	Ile	Leu	Ile	Ser	Tyr	Ala	Phe	Ile	Val	Gln	Ala
	210					215					220				
Val	Leu	Arg	Ile	Arg	Ser	Ala	Glu	Gly	Arg	Arg	Lys	Ala	Phe	Gly	Thr
225					230					235					240
Cys	Gly	Ser	His	Leu	Ile	Val	Val	Val	Leu	Phe	Tyr	Gly	Thr	Ala	Ile

<210> 2262
 <211> 231
 <212> PRT
 <213> Mus musculus

<400> 2262
 Met Ser Asn His Thr Arg Val Thr His Phe Ile Leu Arg Gly Phe Ser
 1 5 10 15
 Asp Val Pro Gln Leu Arg Leu Val Leu Ile Pro Phe Phe Leu Phe Phe
 20 25 30
 Tyr Thr Phe Gly Ile Leu Gly Asn Phe Ser Ile Ile Thr Ala Val Thr
 35 40 45
 Arg Asp Ser Arg Leu His Ser Pro Met Tyr Phe Phe Leu Lys Asn Leu
 50 55 60
 Ser Phe Leu Asp Ile Cys Tyr Thr Ser Ala Thr Ile Pro Lys Ala Val
 65 70 75 80
 Val Ile Ser Leu Thr Gly Ser Gly Val Ile Ser Tyr Gln Glu Cys Ala
 85 90 95
 Ala Gln Leu Tyr Ile Ile Phe Thr Phe Ala Cys Thr Glu Cys Phe Leu
 100 105 110
 Leu Thr Ala Met Ala Tyr Asp Arg Cys Leu Ala Ile Leu Arg Pro Leu
 115 120 125
 Ile Tyr Gly Thr Ile Met Ser Gln Lys Tyr Cys Ser Ala Leu Val Val
 130 135 140
 Thr Ala Trp Val Gly Gly Ala Ile Tyr Ser Ala Phe His Thr Phe Asn
 145 150 155 160
 Thr Phe Ser Leu Pro Tyr Cys Gly Pro Asn Val Ile Asp His Phe Phe
 165 170 175
 Cys Asp Met Pro Pro Val Met Arg Leu Ser Cys Thr Asp Tyr His Leu
 180 185 190
 Thr Glu Glu Val Gly Phe Ala Val Ser Ser Cys Ile Val Met Ser Ser
 195 200 205
 Phe Val Leu Thr Val Val Ser Tyr Ile Gly Ile Val Ala Thr Val Leu
 210 215 220
 Arg Ile Pro Ser Val Glu Gly
 225 230

<210> 2263
 <211> 306
 <212> PRT
 <213> Mus musculus

<400> 2263
 Met Glu Ser Gly Asn Arg Ser Cys Gly Thr Asp Phe Thr Leu Val Gly
 1 5 10 15
 Leu Phe Gln Asp Gly His Met Asp Thr Phe Leu Phe Thr Val Ile Ser
 20 25 30
 Ile Leu Phe Ala Val Ala Leu Ile Gly Asn Ile Thr Leu Val Ile Leu
 35 40 45
 Ile Arg Leu Asp Gln Arg Leu His Thr Pro Met Tyr Phe Leu Leu Ser
 50 55 60
 Gln Leu Ser Ile Met Asp Met Met Tyr Ile Ser Thr Thr Val Pro Lys
 65 70 75 80
 Met Ala Ala Asn Phe Leu Ser Asp Thr Lys Ala Ile Ser Phe Leu Gly
 85 90 95
 Cys Val Ile Gln Thr Phe Val Phe Leu Thr Leu Gly Gly Ser Glu Ala
 100 105 110
 Leu Leu Leu Gly Phe Met Ser Tyr Asp Arg Tyr Ile Ala Ile Cys Arg

115	120	125
Pro Leu His Tyr Pro Val Phe Met Ser Arg Lys Ile Cys Cys Ser Met		
130	135	140
Val Ala Gly Ala Trp Ser Ser Ser Ser Ile Thr Ala Ser Val His Thr		
145	150	155
Val Tyr Val Phe Gln Leu Pro Phe Cys Gly Ser Arg Met Val Asn His		
165	170	175
Phe Phe Cys Glu Val Pro Ser Leu Leu Pro Leu Val Cys Glu Asp Thr		
180	185	190
Ser Gln Tyr Glu His Thr Val Leu Val Ser Gly Leu Val Ile Leu Met		
195	200	205
Leu Pro Phe Leu Ala Ile Leu Ala Ser Tyr Ala Arg Ile Leu Val Val		
210	215	220
Val Leu Gln Met Gly Ser Gly Gln Gly Gln Ser Arg Ala Val Ser Thr		
225	230	235
Cys Ser Ser His Leu Thr Val Ala Ser Leu Phe Tyr Val Thr Thr Leu		
245	250	255
Ser Thr Tyr Thr Gln Pro His Thr Leu His Ser Pro Gly Arg Asp Lys		
260	265	270
Val Val Ala Val Leu Tyr Ser Ile Val Thr Pro Val Leu Asn Pro Phe		
275	280	285
Ile Tyr Ser Leu Arg Asn Lys Glu Val Met Gly Ala Leu Arg Arg Gln		
290	295	300
Met Lys		
305		

<210> 2264
 <211> 306
 <212> PRT
 <213> Mus musculus

 <220>
 <221> VARIANT
 <222> (132)...(270)
 <223> Any amino acid

<400> 2264

Met Asp Pro Ser Asn Tyr Ser Thr Leu His Val Phe Ile Leu Leu Gly	
1	5
Phe Ser Asp His Pro His Leu Glu Met Ile Leu Ser Gly Val Val Thr	
20	25
Phe Phe Tyr Ile Ile Thr Leu Val Gly Asn Thr Ala Ile Ile Leu Ala	
35	40
Ser Leu Leu Asp Pro His Leu His Thr Pro Met Tyr Phe Phe Leu Arg	
50	55
Asn Leu Ser Phe Leu Asp Leu Cys Phe Thr Thr Ser Ile Val Pro Gln	
65	70
Met Leu Val Asn Leu Trp Gly Pro Glu Lys Thr Ile Ser Ser Val Gly	
85	90
Cys Ile Val Gln Leu Tyr Val Tyr Met Trp Leu Gly Ser Ile Glu Cys	
100	105
Leu Leu Leu Ala Val Met Ser Tyr Asp Arg Phe Thr Ala Ile Cys Lys	
115	120
Pro Leu His Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa	
130	135
Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa	
145	150
Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa	
155	160

				165					170					175		
Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa
			180					185					190			
Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa
		195					200					205				
Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa
	210					215				220						
Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa
225					230				235						240	
Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa
			245					250				255				
Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Phe	Xaa	Xaa	Xaa	Xaa	Thr	Pro	
		260					265					270				
Ser	Leu	Asn	Pro	Leu	Ile	Tyr	Thr	Leu	Arg	Asn	Arg	Asp	Met	Lys	Asp	
		275					280					285				
Ala	Leu	Lys	Lys	Leu	Met	Arg	Phe	Tyr	His	Arg	Phe	Ala	Glu	Val	Arg	
	290					295					300					
Arg	Asn															
305																

<210> 2265
 <211> 311
 <212> PRT
 <213> Mus musculus

<400> 2265

Ser	Ile	Tyr	Glu	Asn	Gln	Ser	Ser	Thr	Val	Thr	Phe	Ile	Leu	Val	Gly	
1				5					10					15		
Phe	Ser	Glu	Tyr	Pro	Asp	Ile	Gln	Leu	Pro	Leu	Phe	Leu	Leu	Phe	Leu	
		20					25					30				
Thr	Ile	Tyr	Thr	Val	Thr	Ala	Leu	Gly	Asn	Leu	Gly	Met	Ile	Ala	Ile	
		35				40					45					
Ile	Arg	Leu	Ser	Pro	Lys	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser	
	50					55					60					
His	Leu	Ser	Phe	Val	Asp	Phe	Cys	Tyr	Ser	Thr	Val	Val	Thr	Pro	Lys	
65				70					75						80	
Leu	Leu	Glu	Asn	Leu	Ile	Val	Glu	Asp	Arg	Lys	Ile	Ser	Phe	Thr	Gly	
			85						90					95		
Cys	Val	Met	Gln	Phe	Phe	Phe	Ala	Cys	Ile	Phe	Val	Val	Thr	Glu	Thr	
		100						105					110			
Phe	Met	Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg	Phe	Val	Ala	Val	Cys	Asn	
		115					120					125				
Pro	Leu	Leu	Tyr	Thr	Val	Ala	Met	Ser	Gln	Lys	Leu	Cys	Trp	Ser	Leu	
	130					135					140					
Val	Ala	Gly	Ser	Tyr	Ser	Trp	Gly	Ile	Ile	Cys	Ser	Phe	Val	Phe	Ile	
145					150					155					160	
Arg	Phe	Met	Leu	Thr	Leu	Val	Phe	Cys	Gly	Thr	Lys	Phe	Ile	Asn	Asn	
			165						170					175		
Phe	Val	Cys	Glu	His	Asp	Ala	Ile	Val	Ala	Val	Ser	Cys	Ser	Asp	Pro	
		180						185					190			
Tyr	Ile	Ser	Gln	Lys	Val	Ile	Phe	Ile	Phe	Ala	Thr	Phe	Asn	Glu	Leu	
		195					200					205				
Ser	Ser	Leu	Met	Ile	Ile	Leu	Thr	Ser	Tyr	Val	Phe	Ile	Val	Ile	Thr	
	210					215					220					
Val	Met	Lys	Met	Pro	Thr	Thr	Gly	Gly	Arg	Tyr	Lys	Val	Phe	Ser	Thr	
225					230				235						240	
Cys	Ala	Ser	His	Leu	Thr	Thr	Ile	Thr	Ile	Phe	His	Ser	Ile	Ile	Ile	
				245					250					255		

Cys	Leu	Tyr	Cys	Val	Pro	Thr	Thr	Lys	Ser	Ser	Trp	Leu	Leu	Val	Lys
			260					265					270		
Val	Ala	Ser	Val	Phe	Tyr	Thr	Val	Val	Ile	Pro	Met	Leu	Asn	Pro	Leu
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Asp	Ala	Val	Lys	Lys	Leu
	290					295					300				
Met	Cys	Ser	Ser	Leu	Ser	Ser									
305					310										

<210> 2266
 <211> 271
 <212> PRT
 <213> Mus musculus

<220>
 <221> VARIANT
 <222> (87)...(92)
 <223> Any amino acid

<400> 2266															
Met	Glu	Cys	Gln	Arg	Asn	Ile	Ser	Glu	Phe	Leu	Leu	Met	Gly	Leu	Ser
1				5					10					15	
Ser	Lys	Gln	Asn	Thr	Glu	Val	Phe	Cys	Phe	Met	Phe	Phe	Leu	Phe	Cys
			20					25					30		
Tyr	Phe	Thr	Ile	Leu	Ser	Trp	Asn	Leu	Leu	Ile	Leu	Phe	Ser	Ile	Arg
		35					40					45			
Gly	Ser	Ser	Leu	Phe	Asn	Gln	Pro	Met	Tyr	Tyr	Phe	Leu	Ser	His	Leu
	50					55					60				
Ala	Ser	Met	Asp	Ile	Cys	Tyr	Thr	Ser	Cys	Val	Thr	Pro	Lys	Leu	Ile
65					70					75					80
Gly	Gly	Ser	Ala	Cys	Arg	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Pro	Leu	His	Tyr
				85					90					95	
Met	Val	Ile	Met	Ser	Arg	Asn	Arg	Cys	His	Val	Phe	Ile	Trp	Ala	Ser
			100					105					110		
Trp	Val	Gly	Gly	Val	Ala	His	Ser	Phe	Pro	Gln	Val	Met	Met	Leu	Val
	115						120					125			
Cys	Leu	Pro	Phe	Cys	Gly	Pro	Asn	Glu	Ile	Asp	His	Tyr	Phe	Cys	Asp
	130					135					140				
Val	Phe	Pro	Leu	Leu	Lys	Ile	Ala	Cys	Thr	Asp	Thr	Tyr	Ile	Ile	Gly
145					150					155					160
Val	Leu	Met	Val	Ala	Asn	Ser	Gly	Met	Val	Ala	Ser	Val	Ile	Phe	Val
				165					170					175	
Leu	Leu	Phe	Gly	Ser	Tyr	Val	Val	Ile	Leu	Phe	Thr	Leu	Arg	Asn	Tyr
			180					185					190		
Ser	Ala	Glu	Gly	Arg	Arg	Lys	Ala	Leu	Ser	Thr	Cys	Gly	Ser	His	Ile
	195						200					205			
Ser	Val	Ile	Ile	Leu	Phe	Phe	Gly	Ser	Thr	Ile	Phe	Ala	Tyr	Leu	Arg
	210					215					220				
Pro	Pro	Thr	Thr	Phe	Pro	Glu	Asp	Lys	Ile	Phe	Ala	Leu	Phe	Tyr	Thr
225					230					235					240
Ile	Ile	Ala	Pro	Met	Phe	Asn	Pro	Leu	Ile	Tyr	Thr	Leu	Arg	Asn	Lys
				245					250					255	
Glu	Met	Lys	Thr	Ala	Ile	Lys	Lys	Val	Trp	Cys	Gln	Met	Ser	Phe	
			260					265					270		

<210> 2267
 <211> 308

<212> PRT
<213> Mus musculus

<220>
<221> VARIANT
<222> (58)...(138)
<223> Any amino acid

<400> 2267
Met Glu Cys Lys Arg Asn Val Ser Glu Phe Leu Leu Met Gly Leu Ser
1 5 10 15
Ser Lys Gln Asn Thr Glu Val Phe Cys Phe Ile Phe Phe Leu Phe Cys
20 25 30
Tyr Phe Thr Ile Leu Ser Trp Asn Leu Leu Ile Leu Phe Ser Ile Arg
35 40 45
Cys Ser Ser Leu Phe Asn Gln Pro Met Xaa Xaa Xaa Xaa Xaa Xaa Xaa
50 55 60
Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
65 70 75 80
Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
85 90 95
Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
100 105 110
Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
115 120 125
Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Phe Ile Trp Ala Ser Trp
130 135 140
Val Gly Gly Val Ala His Ser Phe Pro Gln Val Met Met Leu Val Cys
145 150 155 160
Leu Pro Phe Cys Gly Pro Asn Glu Ile Asp His Tyr Tyr Cys Asp Val
165 170 175
Phe Pro Leu Leu Lys Val Ala Cys Thr Asp Thr Tyr Ile Ile Gly Val
180 185 190
Leu Met Val Ala Asn Ser Gly Met Val Ala Phe Val Ile Phe Val Leu
195 200 205
Leu Phe Gly Ser Tyr Val Val Ile Leu Phe Thr Leu Arg Asn Tyr Ser
210 215 220
Ala Glu Gly Arg Arg Lys Ala Leu Ser Thr Cys Gly Ser His Ile Ser
225 230 235 240
Val Val Ile Leu Phe Phe Gly Pro Ser Ile Phe Val Tyr Leu Arg Pro
245 250 255
Pro Thr Thr Phe Pro Glu Asp Lys Ile Phe Ala Leu Phe Tyr Thr Ile
260 265 270
Ile Ala Pro Met Phe Asn Pro Leu Ile Tyr Thr Leu Arg Asn Thr Glu
275 280 285
Met Lys Ser Ala Ile Lys Lys Val Trp Cys Gln Val Thr Phe Leu Gly
290 295 300
Glu Lys His Asn
305

<210> 2268
<211> 118
<212> PRT
<213> Mus musculus

<400> 2268
Gly Ile Val Val Thr Ala Asn Ser Gly Thr Ile Ala Leu Gly Ser Phe
1 5 10 15

Val	Ile	Leu	Leu	Ile	Ser	Tyr	Thr	Val	Ile	Leu	Met	Ser	Leu	Arg	Lys
		20						25					30		
Gln	Ser	Ser	Glu	Gly	Arg	Arg	Lys	Ala	Leu	Ser	Thr	Cys	Gly	Ser	His
		35					40					45			
Ile	Ala	Val	Val	Ile	Ile	Phe	Phe	Gly	Pro	Cys	Thr	Phe	Met	Tyr	Met
	50					55					60				
Arg	Pro	Asp	Thr	Thr	Phe	Ser	Glu	Asp	Lys	Met	Val	Ala	Ile	Phe	Tyr
65					70					75					80
Thr	Ile	Ile	Thr	Pro	Met	Leu	Asn	Pro	Leu	Ile	Tyr	Thr	Leu	Arg	Asn
				85					90					95	
Ala	Glu	Val	Lys	Asn	Ala	Met	Arg	Lys	Leu	Trp	Ala	Arg	Lys	Phe	Ser
			100					105					110		
Trp	Glu	Thr	Thr	Gly	Lys										
			115												

<210> 2269
 <211> 122
 <212> PRT
 <213> Mus musculus

Met	His	Asn	Asn	Ser	Met	Thr	Glu	Phe	Ile	Leu	Leu	Gly	Leu	Thr	Gln
1				5					10					15	
Asp	Pro	Glu	Gln	Gln	Lys	Ala	Ile	Phe	Gly	Val	Phe	Leu	Ile	Leu	Tyr
			20					25					30		
Leu	Met	Thr	Leu	Ile	Gly	Asn	Phe	Leu	Ile	Met	Val	Thr	Ile	Lys	Met
		35				40					45				
Ser	Gln	Thr	Leu	Gly	Ser	Pro	Met	Tyr	Val	Phe	Leu	Phe	Tyr	Leu	Ser
	50				55						60				
Phe	Ala	Asp	Ala	Cys	Phe	Ser	Thr	Thr	Thr	Ala	Pro	Arg	Leu	Ile	Val
65					70					75					80
Asn	Ala	Leu	Ser	Gln	Lys	Lys	Ile	Ile	Ser	Tyr	Asn	Glu	Cys	Met	Thr
				85					90					95	
Gln	Val	Phe	Ala	Ala	His	Phe	Phe	Gly	Cys	Met	Glu	Ile	Phe	Val	Leu
			100					105					110		
Ile	Leu	Met	Ala	Ile	Asp	Arg	Tyr	Val	Ala						
		115					120								

<210> 2270
 <211> 309
 <212> PRT
 <213> Mus musculus

Met	Glu	Pro	Tyr	Asn	Leu	Thr	Gly	Thr	Leu	Glu	Phe	Ile	Leu	Leu	Gly
1				5					10					15	
Leu	Ser	Glu	Asp	Pro	Glu	Leu	Gln	Leu	Ile	Leu	Phe	Ala	Leu	Phe	Met
			20					25					30		
Leu	Ile	Tyr	Leu	Leu	Thr	Val	Leu	Gly	Asn	Val	Leu	Ile	Ile	Leu	Ala
		35				40					45				
Ile	Ser	Cys	Asp	Ser	His	Leu	His	Ser	Pro	Met	Tyr	Phe	Phe	Phe	Tyr
	50				55						60				
Asn	Leu	Ser	Leu	Ser	Asp	Met	Gly	Phe	Ser	Ser	Thr	Thr	Ile	Pro	Lys
65					70					75					80
Met	Leu	Ile	Asn	Leu	His	Val	His	Asn	Arg	Ser	Ile	Thr	Tyr	Ala	Glu
				85				90						95	
Cys	Leu	Thr	Arg	Val	Tyr	Phe	Phe	Phe	Leu	Phe	Gly	Gly	Met	Asp	Ser

Leu	Leu	Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg	Trp	Val	Ala	Ile	Cys	Arg
		115						120					125		
Pro	Leu	His	Tyr	Gln	Val	Ile	Leu	Ser	Pro	Arg	Leu	Cys	Arg	Cys	Leu
	130					135					140				
Val	Ile	Val	Ser	Leu	Ser	Ile	Ser	Leu	Val	Ser	Ser	Gln	Val	His	Cys
	145				150					155					160
Leu	Leu	Val	Ser	Gln	Leu	Thr	Phe	Cys	Ile	Asn	Val	Glu	Ile	Pro	His
			165						170					175	
Phe	Phe	Cys	Asp	Val	Pro	Glu	Leu	Val	Lys	Leu	Ala	Cys	Ser	Asn	Thr
		180						185					190		
Thr	Ile	Asn	Asp	Ile	Val	Met	Phe	Leu	Leu	Ser	Ile	Ile	Val	Gly	Phe
	195					200						205			
Leu	Pro	Ala	Ser	Gly	Ile	Phe	Tyr	Ser	Tyr	Tyr	Lys	Ile	Thr	Ser	Ser
	210				215						220				
Ile	Phe	Arg	Val	Pro	Ser	Leu	Leu	Ala	Lys	Tyr	Lys	Ala	Phe	Ser	Thr
	225				230					235					240
Cys	Gly	Ser	His	Leu	Ser	Val	Val	Cys	Leu	Phe	Tyr	Gly	Thr	Gly	Ile
			245					250						255	
Gly	Val	Tyr	Leu	Ser	Ser	Thr	Val	Ser	Ser	Ser	Ser	Arg	Glu	Ser	Met
		260						265					270		
Val	Ala	Ser	Val	Met	Tyr	Thr	Met	Val	Val	Pro	Met	Met	Asn	Pro	Phe
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Arg	Asp	Ile	Lys	Lys	Ser	Leu	Trp	Lys	Ile
	290					295					300				
Val	His	Gln	Ile	Thr											
	305														

<210> 2271

<211> 515

<212> PRT

<213> Mus musculus

<220>

<221> CONFLICT

<222> (197)...(204)

<223> Any amino acid

<400> 2271

Met	Asn	Asp	Thr	Phe	Ile	Val	Thr	Met	Phe	Ala	Tyr	Phe	Gln	Val	Lys
1				5					10					15	
Thr	Ala	Asn	Phe	Met	Glu	Gln	Glu	Asn	Ile	Thr	Ala	Thr	Ser	Ile	Phe
		20						25					30		
Ile	Leu	Leu	Gly	Leu	Ser	Lys	Glu	Thr	Asp	Ile	Gln	Pro	Leu	Val	Phe
	35						40					45			
Gly	Leu	Phe	Leu	Phe	Ile	Tyr	Leu	Val	Cys	Ile	Thr	Gly	Asn	Met	Leu
	50					55					60				
Ile	Ile	Leu	Ile	Ile	Thr	Ser	Asp	Ala	His	Leu	Gln	Thr	Pro	Met	Tyr
	65				70					75				80	
Phe	Phe	Leu	Ser	Asn	Leu	Ser	Phe	Thr	Asp	Ile	Cys	Phe	Ile	Ser	Thr
			85					90					95		
Thr	Val	Pro	Lys	Met	Leu	Val	Asn	Ile	Gln	Thr	Gln	Asn	Lys	Ser	Ile
		100						105					110		
Thr	Tyr	Glu	Gly	Cys	Leu	Ala	Gln	Met	Tyr	Phe	Phe	Met	Phe	Phe	Ser
	115						120					125			
Gly	Leu	Asp	Ser	Leu	Leu	Leu	Thr	Val	Met	Ala	Tyr	Asp	Arg	Phe	Val
	130					135					140				
Ala	Ile	Cys	His	Pro	Leu	His	Tyr	Met	Ile	Val	Met	Ser	Pro	His	Leu

145					150					155				160
Cys	Val	Ser	Leu	Leu	Leu	Leu	Ser	Cys	Leu	Ile	Cys	Leu	Ala	Tyr
				165					170					175
Leu	Leu	Gln	Thr	Leu	Phe	Phe	Phe	Ser	Ile	Phe	Tyr	Val	Phe	Asn
			180					185						190
Phe	Thr	Phe	Pro	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Ala	Tyr	Lys
		195					200					205		
Cys	Lys	Ser	Asn	Gly	Pro	Leu	Phe	Pro	Val	Met	Ala	Asp	Ala	Ile
	210					215					220			
Tyr	Ile	Cys	Ser	Ser	Gln	Glu	Leu	Arg	Gly	Thr	Gly	Leu	Ile	Met
225					230					235				240
Phe	His	Leu	Gly	Cys	Arg	Ser	Leu	Leu	Leu	Gly	Tyr	Phe	Leu	Leu
			245						250					255
His	Trp	Glu	Pro	Tyr	Asp	Pro	Ser	Ile	Ser	Leu	Ala	Ser	Thr	Ser
			260					265						270
Phe	Ala	Gly	Pro	Arg	His	Ser	Leu	Thr	Arg	Asp	Ser	Tyr	Ile	Cys
		275					280					285		
Leu	Ser	Ile	Lys	Ser	Cys	Cys	Met	Gln	Trp	Cys	Gln	Arg	Leu	Asp
	290					295					300			
Asp	Tyr	Gly	Val	Asp	Pro	Trp	Leu	Trp	Gln	Ser	Leu	His	Gly	Pro
305					310					315				320
Phe	His	Leu	Ser	Ser	Lys	Leu	Arg	Leu	Cys	Asn	Ser	Phe	His	Gly
				325					330					335
Phe	Val	Pro	Lys	Ser	Lys	Glu	Gly	His	Ser	Val	His	Thr	Ser	Val
			340					345					350	
Ile	Leu	Leu	Glu	Phe	His	Val	Leu	Gln	Thr	Leu	Met	Phe	Leu	Arg
		355					360					365		
Ser	Phe	Cys	Lys	Lys	Thr	Glu	Ile	Pro	His	Tyr	Phe	Cys	Glu	Leu
	370					375					380			
Gln	Ile	Leu	Lys	Leu	Ala	Cys	Ser	Asp	Thr	Tyr	Ala	Asn	Asp	Ile
385					390					395				400
Leu	Tyr	Cys	Val	Thr	Gly	Leu	Leu	Gly	Ile	Ile	Pro	Leu	Ser	Gly
				405					410					415
Leu	Phe	Ser	Tyr	Ser	Lys	Ile	Ile	Asn	Ser	Ile	Val	Gly	Ile	Ser
			420					425					430	
Ala	Arg	Gly	Lys	Tyr	Lys	Ala	Phe	Ser	Thr	Cys	Gly	Ser	His	Leu
		435					440					445		
Val	Val	Ser	Leu	Phe	Tyr	Gly	Thr	Gly	Leu	Gly	Val	Tyr	Leu	Thr
	450					455					460			
Gln	Met	Ser	Tyr	Lys	Ser	Arg	Glu	Gly	Ser	Ile	Ala	Ser	Val	Met
465					470					475				480
Thr	Val	Val	Thr	Pro	Met	Leu	Asn	Pro	Phe	Ile	Tyr	Ser	Leu	Arg
				485					490					495
Lys	Asp	Leu	Asn	Gln	Ala	Leu	Arg	Arg	Phe	Phe	His	Ser	Thr	Gly
			500					505					510	
Arg	Phe	Arg												
		515												

<210> 2272
 <211> 109
 <212> PRT
 <213> Mus musculus

<400> 2272
 Met Glu Pro Tyr Asn Leu Thr Gly Thr Leu Glu Phe Ile Leu Leu Gly
 1 5 10 15
 Leu Ser Glu Asp Pro Glu Leu Gln Leu Ile Leu Phe Ala Leu Phe Leu
 20 25 30

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<210> 2273
<211> 310
<212> PRT
<213> Mus musculus
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Tyr His Glu Ile Tyr Ile
305 310

<210> 2274
 <211> 309
 <212> PRT
 <213> Mus musculus

<400> 2274
 Met Ala Pro Val Asn Gln Ser Val Val Thr Met Phe Ile Leu Gln Arg
 1 5 10 15
 Phe Val Asp Asp Pro Arg Val Gln Asp Val Leu Phe Cys Leu Phe Phe
 20 25 30
 Ala Leu Phe Val Ala Ala Ile Ala Gly Asn Gly Leu Ile Ile Ala Thr
 35 40 45
 Ile His Ser Ser Pro Asn Leu His Thr Pro Met Tyr Phe Phe Leu Val
 50 55 60
 Asn Leu Ala Leu Met Asp Val Ile Cys Thr Val Thr Val Leu Pro Lys
 65 70 75 80
 Val Leu Gln Ser Leu Val Ala Glu Asn Ser Ile Ser Tyr Gly Gly Cys
 85 90 95
 Leu Thr Gln Met Phe Val Phe Ser Trp Val Leu Gly Ser Glu Leu Leu
 100 105 110
 Leu Phe Ser Ala Met Ala Tyr Asp Arg Tyr Leu Ala Ile Cys Arg Pro
 115 120 125
 Leu His Tyr Gly Thr Leu Met Ser Gly Arg Val Cys Val Ala Leu Ala
 130 135 140
 Thr Phe Val Trp Phe Thr Gly Ala Phe Asn Ser Leu Val Leu Thr Cys
 145 150 155 160
 Leu Met Leu Pro Leu Ser Phe Cys Gly Pro Asn Leu Ile Thr His Phe
 165 170 175
 Phe Cys Glu Ile Pro Ser Val Leu Ile Leu Ser Cys Ser Pro Thr Phe
 180 185 190
 Ile Asn Asp Ile Met Thr Val Ile Ala Asp Met Phe Leu Thr Gly Leu
 195 200 205
 Asn Phe Leu Leu Thr Met Thr Ser Tyr Gly Phe Ile Ile Ser Ser Ile
 210 215 220
 Leu Arg Ile Arg Ser Ala Glu Gly Lys Lys Arg Ala Phe Ser Thr Cys
 225 230 235 240
 Ser Ala His Leu Val Val Val Thr Leu Tyr Tyr Ser Thr Val Leu Tyr
 245 250 255
 Thr Tyr Val Arg Pro Ala Leu Gly Thr Ala Gly Phe Leu Asp Lys Leu
 260 265 270
 Ile Ala Val Leu Tyr Thr Thr Val Thr Pro Ser Leu Asn Pro Leu Ile
 275 280 285
 Tyr Thr Leu Arg Asn Lys Glu Phe Lys Thr Ser Phe Lys Lys Leu Ile
 290 295 300
 Ser Leu Leu Arg Thr
 305

<210> 2275
 <211> 188
 <212> PRT
 <213> Mus musculus

<400> 2275
 Pro Phe Arg Tyr Pro Val Ile Met Ser Pro Gly Leu Ala Ala Phe Leu
 1 5 10 15
 Ala Gly Gly Ser Trp Leu Ser Gly Phe Thr Ile Ser Leu Gly Lys Val
 20 25 30

Phe	Phe	Ile	Ser	Arg	Leu	Gly	Tyr	Cys	Gly	Pro	Asn	Val	Met	Asn	His	
		35					40					45				
Phe	Phe	Cys	Asp	Val	Ser	Pro	Leu	Leu	Asn	Leu	Ala	Cys	Ser	Asp	Met	
		50				55					60					
Ser	Val	Ala	Glu	Leu	Val	Asp	Phe	Leu	Leu	Ala	Leu	Leu	Ile	Leu	Leu	
65					70					75					80	
Gly	Pro	Leu	Leu	Leu	Thr	Val	Phe	Ser	Tyr	Thr	Ala	Ile	Leu	Ser	Thr	
				85					90					95		
Val	Leu	Arg	Met	Pro	Ser	Ala	Gly	Gly	Arg	Gln	Lys	Ala	Phe	Ser	Thr	
			100					105					110			
Cys	Ala	Ser	His	Leu	Ala	Val	Val	Val	Ile	Phe	Tyr	Ser	Ala	Ser	Leu	
		115					120					125				
Phe	Ile	Tyr	Ala	Arg	Pro	Arg	Ala	Leu	Tyr	Ser	Phe	Asp	Tyr	Asn	Lys	
		130				135					140					
Leu	Val	Ser	Val	Val	Tyr	Thr	Val	Leu	Thr	Pro	Leu	Ile	Asn	Pro	Ile	
145					150					155					160	
Ile	Tyr	Cys	Leu	Arg	Asn	Gln	Glu	Val	Lys	Gln	Ala	Leu	His	Lys	Val	
				165					170					175		
Gln	Gln	Arg	Ala	Ala	Gln	Val	Leu	Gly	Ala	Ser	Ser					
			180					185								

<210> 2276
 <211> 313
 <212> PRT
 <213> Mus musculus

<400> 2276

Met	Ala	Phe	Gln	Ala	Asp	Gly	Asn	His	Thr	Thr	Val	Thr	Glu	Phe	Leu	
1				5					10					15		
Leu	Leu	Gly	Leu	Thr	Asp	Asp	Pro	Val	Leu	Arg	Val	Ile	Leu	Phe	Thr	
			20					25					30			
Ile	Ile	Leu	Cys	Ile	Tyr	Leu	Val	Thr	Val	Ser	Gly	Asn	Leu	Ser	Thr	
		35					40					45				
Ile	Leu	Leu	Ile	Arg	Val	Ser	Ser	Gln	Leu	His	His	Pro	Met	Tyr	Phe	
		50				55					60					
Phe	Leu	Ser	His	Leu	Ala	Ser	Val	Asp	Ile	Gly	Ile	Ser	Ser	Ser	Val	
65				70						75					80	
Thr	Pro	Asn	Met	Leu	Val	Asn	Phe	Leu	Val	Glu	Arg	Asn	Thr	Ile	Ser	
			85						90					95		
Tyr	Leu	Gly	Trp	Gly	Ile	Gln	Leu	Ser	Phe	Gly	Asp	Ile	Phe	Gly	Ser	
			100					105					110			
Val	Glu	Cys	Phe	Leu	Leu	Ala	Thr	Met	Ala	Tyr	Asp	Arg	Phe	Met	Ala	
		115					120					125				
Ile	Cys	Asn	Pro	Leu	Leu	Tyr	Ser	Thr	Lys	Met	Ser	Thr	Gln	Val	Cys	
		130				135					140					
Val	Gln	Leu	Val	Val	Gly	Ser	Tyr	Ile	Gly	Gly	Leu	Leu	Asn	Ala	Ser	
145					150					155					160	
Phe	Ala	Met	Val	Ser	Phe	Phe	Ser	Phe	Leu	Phe	Cys	Gly	Ser	Asn	Arg	
				165					170					175		
Val	Glu	His	Phe	Phe	Cys	Asp	Phe	Val	Pro	Leu	Ala	Glu	Leu	Ser	Cys	
			180					185					190			
Ser	Asp	Ile	Ser	Ile	Ser	Val	Val	Leu	Val	Ser	Phe	Ser	Ala	Gly	Ser	
		195				200						205				
Val	Thr	Met	Leu	Thr	Val	Phe	Ile	Ile	Val	Ile	Ser	Tyr	Ser	Tyr	Ile	
		210				215						220				
Leu	Ile	Thr	Ile	Leu	Lys	Met	Arg	Ser	Thr	Glu	Gly	Arg	Gln	Lys	Ala	
225					230					235					240	
Phe	Ser	Thr	Thr	Ser	His	Leu	Thr	Ala	Val	Thr	Leu	Phe	Tyr	Gly	Thr	

<210> 2278
 <211> 311
 <212> PRT
 <213> Mus musculus

<400> 2278

Met	Val	Asn	Gln	Ser	Ser	Pro	Val	Val	Phe	Phe	Leu	Leu	Gly	Phe	Phe		
1				5					10					15			
Glu	His	Pro	Gln	Leu	Glu	Lys	Val	Leu	Phe	Val	Val	Val	Leu	Cys	Ser		
			20					25					30				
Tyr	Leu	Leu	Thr	Leu	Leu	Gly	Asn	Thr	Leu	Ile	Leu	Leu	Leu	Ser	Thr		
			35				40					45					
Leu	Asp	Pro	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser	Asn	Leu		
	50					55					60						
Ser	Phe	Leu	Asp	Leu	Cys	Phe	Thr	Thr	Thr	Cys	Val	Pro	Gln	Met	Leu		
65					70					75					80		
Phe	Asn	Leu	Trp	Gly	Pro	Glu	Lys	Thr	Ile	Ser	Phe	Leu	Gly	Cys	Phe		
			85						90					95			
Val	Leu	Phe	Ile	Phe	Met	Ser	Leu	Gly	Thr	Thr	Glu	Cys	Ile	Leu	Leu		
			100					105					110				
Thr	Val	Met	Ala	Phe	Asp	Arg	Tyr	Val	Ala	Val	Cys	Gln	Pro	Leu	His		
		115					120					125					
Tyr	Ala	Thr	Val	Ile	Asn	Pro	Arg	Leu	Cys	Gln	Gln	Leu	Ala	Gly	Ile		
	130					135					140						
Ala	Trp	Ala	Ile	Gly	Leu	Val	Gln	Ser	Ile	Val	Gln	Thr	Pro	Pro	Thr		
145				150						155					160		
Leu	Lys	Leu	Pro	Phe	Cys	Ser	His	Arg	Gln	Ile	Asp	Asn	Phe	Val	Cys		
				165					170					175			
Glu	Val	Pro	Ser	Leu	Ile	Gln	Leu	Ser	Cys	Gly	Asp	Ile	Thr	Tyr	Asn		
			180					185					190				
Glu	Ile	Gln	Met	Ala	Val	Ala	Ser	Ile	Phe	Ile	Val	Val	Val	Pro	Leu		
		195					200					205					
Ser	Leu	Ile	Leu	Val	Ser	Tyr	Gly	Ala	Ile	Ala	Arg	Ala	Val	Leu	Lys		
	210					215						220					
Ile	Ser	Ser	Ala	Lys	Gly	Arg	Arg	Lys	Ala	Phe	Gly	Thr	Cys	Ser	Ser		
225					230					235					240		
His	Leu	Ile	Val	Val	Thr	Leu	Phe	Tyr	Ser	Ser	Val	Ile	Ala	Val	Tyr		
				245					250					255			
Leu	Gln	Pro	Lys	Asn	Pro	Tyr	Ala	Arg	Glu	Arg	Gly	Lys	Phe	Phe	Gly		
			260					265					270				
Leu	Phe	Tyr	Ala	Val	Gly	Thr	Pro	Thr	Leu	Asn	Pro	Leu	Val	Tyr	Thr		
		275					280					285					
Leu	Arg	Asn	Lys	Glu	Val	Lys	Arg	Ala	Phe	Trp	Lys	Leu	Leu	Arg	Lys		
	290					295					300						
Asp	Glu	Asp	Ser	Glu	Glu	Ser											
305					310												

<210> 2279
 <211> 274
 <212> PRT
 <213> Mus musculus

<400> 2279

Gly	Thr	His	Phe	Ile	Leu	Leu	Leu	Ser	Thr	Leu	Asp	Pro	Arg	Leu	His		
1				5					10					15			
Ser	Pro	Met	Tyr	Phe	Phe	Leu	Ser	Asn	Leu	Ser	Phe	Leu	Asp	Leu	Cys		
			20					25					30				
Phe	Thr	Thr	Thr	Cys	Val	Pro	Gln	Met	Leu	Phe	Asn	Leu	Trp	Gly	Pro		

Ile	Leu	Met	Ser	Tyr	Ala	Gln	Phe	Val	Val	Ile	Val	Leu	Arg	Ile	Pro
				165					170					175	
Ser	Gly	Ala	Arg	Arg	Thr	Lys	Ala	Phe	Phe	Thr	Cys	Ser	Ser	His	Leu
			180					185					190		
Ala	Met	Met	Phe	Thr	Phe	Tyr	Gly	Ser	Leu	Met	Val	Trp	Tyr	Thr	Ala
		195					200					205			
Pro	Ser	Ala	Val	Leu	Ser	Leu	Gln	Leu	Leu	Ser	Lys	Val	Ile	Ala	Leu
	210					215					220				
Leu	Tyr	Thr	Val	Phe	Ala	Pro	Ile	Phe	Asn	Ser	Val	Ile	Tyr	Thr	Leu
225					230					235					240
Arg	Asn	Leu	Asp	Met	Gln	Lys	Ala	Leu	Arg	Arg	Leu	Leu	Tyr	Cys	Lys
				245					250					255	
Ser	Thr	Glu	Met												
			260												

<210> 2281
 <211> 251
 <212> PRT
 <213> Mus musculus

<400> 2281															
Asp	Thr	Pro	Leu	His	Pro	Pro	Pro	Ser	Phe	Phe	Leu	Ser	Tyr	Leu	Val
1				5					10					15	
Leu	Gln	Gly	Trp	Lys	Ala	Glu	Tyr	Arg	Lys	Ala	Val	Glu	Lys	Gly	Thr
			20					25					30		
His	Lys	Val	Ala	Lys	Ser	Leu	Val	Thr	Leu	Pro	Gly	Cys	Leu	Leu	Gln
		35					40					45			
Phe	Phe	Thr	Phe	Ser	Ser	Leu	Tyr	Ile	Asp	Glu	Tyr	Phe	Leu	Leu	Ala
	50					55					60				
Leu	Met	Ala	Tyr	Asp	His	Cys	Leu	Ala	Ile	Cys	Tyr	Ser	Leu	Tyr	Pro
65					70					75					80
Arg	Leu	Met	Arg	Pro	Gln	Trp	Cys	Leu	Gly	Leu	Val	Leu	Thr	Val	Trp
				85					90					95	
Val	Ser	Gly	Phe	Met	Glu	Asp	Gly	Leu	Val	Val	Ala	Leu	Thr	Ala	Gln
			100					105					110		
Leu	Arg	Phe	Cys	Gly	Pro	Asn	Leu	Ile	Asp	His	Phe	Tyr	Cys	Asp	Phe
		115					120					125			
Ser	Pro	Leu	Met	Ala	Cys	Phe	Asp	Thr	Val	Ala	Gln	Met	Thr	Thr	Phe
	130						135					140			
Val	Leu	Ser	Val	Ile	Phe	Leu	Thr	Val	Pro	Phe	Gly	Leu	Val	Leu	Ile
145					150					155					160
Ser	Tyr	Ala	Gln	Ile	Val	Val	Thr	Val	Leu	Arg	Ile	Leu	Ser	Gly	Ala
				165					170					175	
Arg	Arg	Thr	Lys	Ala	Phe	Phe	Ile	Cys	Pro	Ser	His	Leu	Ala	Val	Val
			180					185					190		
Ser	Thr	Leu	Tyr	Gly	Thr	Leu	Met	Gly	Leu	Tyr	Thr	Val	Pro	Phe	Val
		195					200					205			
Val	His	Ser	Gln	Leu	Leu	Thr	Lys	Val	Ile	Ala	Leu	Leu	Tyr	Thr	Val
	210					215					220				
Phe	Thr	Pro	Val	Phe	Asn	Pro	Val	Ile	Tyr	Thr	Leu	Lys	Asn	Gln	Glu
225					230					235					240
Val	Gln	Gln	Ala	Leu	Arg	Arg	Leu	Leu	Tyr	Cys					
				245					250						

<210> 2282
 <211> 301
 <212> PRT

<213> Mus musculus

<400> 2282

Ile	Ile	Gly	Phe	Pro	Met	Gln	Gly	Gly	Gln	Pro	Asn	Tyr	Ile	Tyr	Ile
1				5					10					15	
His	Lys	Gln	Gln	Lys	Trp	Thr	Gln	Gln	Ile	Val	Tyr	Ile	Tyr	Val	Cys
			20					25				30			
Val	Cys	Val	Cys	Val	Cys	Val	Cys	Val	Cys	Val	Ala	Tyr	Val	His	Thr
		35					40				45				
Tyr	Thr	Tyr	Lys	Tyr	Ile	Cys	Val	Tyr	Lys	Trp	Leu	Ser	Ser	Lys	Ser
	50					55				60					
Ser	Arg	Asp	Leu	Glu	Gly	Gly	Trp	Lys	Met	Ser	Val	Glu	Lys	Arg	Thr
65					70				75					80	
Gln	Ser	Arg	Gln	Lys	Ser	Gly	Tyr	Thr	Gly	Gln	Leu	Leu	Pro	Pro	Val
			85						90					95	
Leu	His	Pro	Trp	Leu	Cys	Arg	Lys	Tyr	Phe	Leu	Leu	Ile	Val	Met	Val
			100					105					110		
Tyr	Asp	His	Tyr	Leu	Thr	Ile	Cys	His	His	Leu	Tyr	Pro	Phe	Leu	Met
		115					120					125			
Gly	Pro	Leu	Trp	Gly	Leu	Gly	Phe	Gly	Leu	Thr	Thr	Ser	Phe	Val	Val
	130					135					140				
Asp	Glu	Leu	Ile	Val	Ala	Leu	Met	Ala	Gln	Leu	Arg	Phe	Cys	Val	Pro
145					150				155						160
Lys	Gln	Ile	Asp	His	Phe	Tyr	Tyr	Asp	Phe	Ser	Pro	Leu	Val	Val	Leu
			165					170						175	
Ala	Tyr	Thr	Asp	Thr	Gly	Leu	Val	Gln	Val	Thr	Thr	Phe	Val	Leu	Phe
			180					185					190		
Val	Val	Phe	Leu	Thr	Val	Pro	Phe	Gly	Leu	Val	Leu	Ile	Ser	Cys	Ala
		195					200					205			
Gln	Ile	Ala	Val	Thr	Val	Leu	Arg	Val	Pro	Ser	Arg	Thr	Arg	Arg	Asn
	210					215					220				
Lys	Ala	Phe	Ser	Thr	Cys	Ser	Ser	His	Leu	Asp	Glu	Val	Ser	Thr	Phe
225					230				235						240
Tyr	Gly	Ser	Leu	Met	Val	Trp	Tyr	Thr	Glu	Pro	Ser	Ala	Val	His	Ser
			245						250					255	
Gln	Ile	Leu	Ser	Lys	Val	Ile	Ala	Leu	Leu	Tyr	Thr	Val	Val	Thr	Thr
			260					265					270		
Ile	Phe	Asp	Pro	Gly	Ile	Tyr	Thr	Leu	Arg	Asn	Gln	Glu	Val	Gln	Gln
		275					280				285				
Ser	Leu	Arg	Arg	His	Leu	Tyr	Cys	Lys	Pro	Thr	Glu	Met			
	290					295					300				

<210> 2283

<211> 293

<212> PRT

<213> Mus musculus

<220>

<221> VARIANT

<222> (68)...(111)

<223> Any amino acid

<400> 2283

Met	Glu	Asp	Met	Ala	Ala	Gly	Asn	His	Cys	Thr	Val	Thr	Glu	Phe	Phe
1				5					10					15	
Leu	Ala	Gly	Leu	Ser	Glu	Lys	Ser	Glu	Leu	Gln	Leu	Pro	Leu	Phe	Leu
			20					25					30		
Leu	Phe	Thr	Gly	Ile	Tyr	Leu	Ile	Thr	Met	Ala	Gly	Asn	Leu	Gly	Met

Cys Ser Leu Ile Ser Gly Val Tyr Ile Phe Ala Val Phe Cys Ala Ser
 145 150 155 160
 Val Asn Met Gly Phe Met Phe Arg Ile Gln Phe Cys Lys Ser Asp Val
 165 170 175
 Ile Asn

<210> 2285
 <211> 178
 <212> PRT
 <213> Mus musculus

<400> 2285
 Ser Tyr Gln Val Cys Leu Leu Met Val Ala Val Val Tyr Gly Ile Gly
 1 5 10 15
 Leu Ile Ser Ala Thr Ala His Thr Val Phe Leu Leu Arg Leu Phe Phe
 20 25 30
 Cys Lys Ala Asp Lys Ile Asn His Tyr Phe Cys Asp Leu Phe Pro Leu
 35 40 45
 Leu Glu Leu Ser Cys Ser Ser Thr Phe Ile Asn Glu Ile Leu Ala Leu
 50 55 60
 Ser Phe Ser Ala Phe Asn Ile Ile Val Pro Ala Met Thr Ile Ile Gly
 65 70 75 80
 Ser Tyr Ile Phe Ile Ile Ile Ser Ile Leu His Ile Lys Ser Ser Gly
 85 90 95
 Gly Arg Val Lys Ala Phe Arg Thr Cys Ser Ser His Ile Leu Ala Val
 100 105 110
 Ala Ile Phe Phe Gly Ser Thr Thr Phe Met Tyr Leu Gln Pro Ser Ser
 115 120 125
 Val Ser Ser Met Asp Gln Gly Lys Val Ser Ser Val Phe Tyr Thr Ile
 130 135 140
 Val Val Pro Met Leu Asn Pro Met Ile Tyr Ser Leu Arg Asn Lys Asp
 145 150 155 160
 Val Lys Val Ala Leu Lys Lys Leu Leu Gln Lys Met Phe Pro Gln Asn
 165 170 175
 Lys Glu

<210> 2286
 <211> 183
 <212> PRT
 <213> Mus musculus

<400> 2286
 Val Cys Leu Leu Leu Met Ser Val Cys Trp Ile Leu Gly Ser Leu Asp
 1 5 10 15
 Gly Phe Met Leu Thr Pro Ile Thr Met Thr Phe Pro Phe Cys Gly Ser
 20 25 30
 Arg Glu Ile His His Phe Phe Cys Glu Val Pro Ala Val Thr Lys Leu
 35 40 45
 Ser Cys Ser Asp Thr Trp Leu Tyr Glu Thr Leu Met Tyr Val Cys Cys
 50 55 60
 Val Leu Met Leu Leu Ile Pro Val Thr Val Ile Ser Gly Ser Tyr Thr
 65 70 75 80
 Ser Ile Leu Leu Thr Val Leu Arg Met Asn Ser Ala Glu Gly Arg Lys
 85 90 95
 Lys Ala Leu Ala Thr Cys Ser Ser His Met Thr Val Val Thr Leu Phe

<210> 2288
 <211> 259
 <212> PRT
 <213> Mus musculus

<220>
 <221> CONFLICT
 <222> (71)...(83)
 <223> Any amino acid

<400> 2288
 Met Asp Leu Thr Thr Trp Met Asn Asn Tyr Thr Gly Gln Ser Asp Phe
 1 5 10 15
 Thr Leu Val Gly Leu Phe Ser Gln Ser Lys His Pro Ala Leu Leu Ala
 20 25 30
 Val Val Ile Phe Val Val Phe Leu Met Ala Leu Ser Gly Asn Ala Leu
 35 40 45
 Leu Ile Leu Leu Ile Leu Ser Asp Thr His Leu His Thr Pro Met Tyr
 50 55 60
 Phe Leu Ser Ala Ser Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 65 70 75 80
 Xaa Xaa Xaa Val Cys Leu Leu Leu Met Ser Val Cys Trp Val Leu Gly
 85 90 95
 Ser Leu Trp Asp Gly Phe Met Leu Thr Pro Val Thr Met Thr Phe Pro
 100 105 110
 Ile Cys Gly Ser Arg Glu Ile His His Phe Phe Cys Glu Val Pro Ala
 115 120 125
 Val Thr Lys Leu Ser Cys Ser Asp Thr Trp Leu Tyr Glu Thr Leu Met
 130 135 140
 Tyr Val Cys Cys Val Leu Met Leu Leu Ile Pro Val Thr Val Ile Ser
 145 150 155 160
 Gly Ser Tyr Thr Ser Ile Leu Leu Thr Val Leu Arg Met Asn Ser Ala
 165 170 175
 Glu Gly Arg Lys Lys Ala Leu Ala Thr Cys Ser Ser His Met Thr Val
 180 185 190
 Val Thr Leu Phe Tyr Gly Ala Ala Val Tyr Thr Tyr Met Leu Pro Ala
 195 200 205
 Ser Leu His Thr Pro Glu Lys Asp Met Val Val Ser Val Phe Tyr Thr
 210 215 220
 Ile Leu Thr Pro Leu Leu Asn Pro Leu Ile Tyr Ser Leu Arg Asn Lys
 225 230 235 240
 Asn Val Thr Glu Ala Met Lys Lys Leu Leu Gly Glu Asn Pro Ser Phe
 245 250 255
 Gln Lys Gln

<210> 2289
 <211> 307
 <212> PRT
 <213> Mus musculus

<400> 2289
 Trp Asp Leu Ser Ser Pro Ile Leu Leu Gly Leu Phe Pro Glu Leu Cys
 1 5 10 15
 His Leu Gly Ile Leu Val Ile Ser Ile Leu Leu Ile Tyr Leu Ile Ala
 20 25 30

<210> 2291
 <211> 277
 <212> PRT
 <213> Mus musculus

<400> 2291
 Tyr Leu Val Thr Val Phe Gly Asn Leu Ser Thr Ile Leu Leu Ile Gly
 1 5 10 15
 Val Ser Ser Lys Leu His His Pro Met Tyr Phe Phe Leu Ser His Leu
 20 25 30
 Ala Ser Val Asp Met Gly Leu Ser Ser Val Thr Pro Asn Met Leu
 35 40 45
 Val Asn Phe Leu Thr Glu Lys Asn Thr Ile Ser Tyr Leu Gly Cys Gly
 50 55 60
 Ile Gln Leu Ser Ser Ala Ala Phe Phe Gly Ala Val Glu Phe Phe Leu
 65 70 75 80
 Leu Ala Ala Met Ala Tyr Asp Arg Leu Val Ala Ile Cys Asn Pro Leu
 85 90 95
 Leu Tyr Ser Thr Lys Met Ser Thr Gln Val Cys Ile Gln Leu Val Val
 100 105 110
 Gly Thr Tyr Val Gly Gly Phe Leu Asn Ala Ser Phe Val Thr His Phe
 115 120 125
 Phe Phe Ser Phe Leu Phe Cys Gly Pro Asn Arg Val Asn His Phe Phe
 130 135 140
 Cys Asp Leu Ser Pro Met Met Glu Leu Ser Cys Ser Asp Val Ser Ile
 145 150 155 160
 Ser Glu Ile Val Ile Ser Phe Ser Ala Gly Ser Phe Thr Met Thr Thr
 165 170 175
 Leu Phe Val Ile Val Ile Ser Tyr Phe Tyr Ile Val Ile Thr Ile Leu
 180 185 190
 Lys Met His Ser Thr Glu Gly Arg Gln Lys Ala Phe Ser Thr Cys Met
 195 200 205
 Ser His Leu Thr Ala Val Thr Leu Tyr Tyr Gly Thr Thr Ile Phe Ile
 210 215 220
 Tyr Val Met Pro Lys Ser Ile Tyr Ser Arg Asp Gln Asn Lys Val Val
 225 230 235 240
 Ser Leu Phe Tyr Val Val Ile Pro Val Leu Asn Pro Leu Ile Tyr
 245 250 255
 Ser Leu Arg Asn Asn Glu Ile Lys Asp Ala Leu Lys Arg Gln Phe Tyr
 260 265 270
 Arg Lys Thr Leu Leu
 275

<210> 2292
 <211> 208
 <212> PRT
 <213> Mus musculus

<400> 2292
 Met Ile Ser Tyr Gly Phe Pro Gly Gln Trp Asn His Thr Ala Val Thr
 1 5 10 15
 Glu Phe Ile Leu Leu Gly Leu Thr Asp Pro Val Leu Arg Val Ile
 20 25 30
 Leu Phe Ser Ile Ile Leu Cys Ile Tyr Leu Val Thr Val Ser Gly Asn
 35 40 45

Leu	Ser	Thr	Phe	Leu	Leu	Ile	Arg	Val	Ser	Ser	Gln	Leu	His	His	Pro
50						55					60				
Met	Tyr	Phe	Phe	Leu	Ser	His	Leu	Ala	Ser	Val	Asp	Met	Gly	Leu	Ser
65					70					75					80
Ser	Ser	Val	Thr	Pro	Asn	Met	Leu	Val	Asn	Phe	Leu	Thr	Glu	Arg	His
				85					90					95	
Ser	Ile	Ser	Tyr	Leu	Gly	Cys	Gly	Ile	Gln	Leu	Ser	Ser	Ala	Ala	Phe
			100					105					110		
Phe	Gly	Ala	Val	Glu	Phe	Phe	Leu	Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg
		115					120					125			
Phe	Ile	Ala	Ile	Cys	Asn	Pro	Leu	Leu	Tyr	Ser	Thr	Lys	Leu	Ser	Thr
	130					135					140				
Gln	Val	Cys	Ile	Gln	Leu	Val	Val	Gly	Ser	Tyr	Val	Gly	Gly	Phe	Leu
145					150					155					160
Asn	Ala	Ser	Phe	Val	Thr	His	Phe	Phe	Phe	Ser	Phe	Phe	Phe	Cys	Gly
				165					170					175	
Pro	Asn	Arg	Val	Asn	Tyr	Phe	Phe	Cys	Asp	Phe	Pro	Pro	Met	Met	Glu
			180					185					190		
Leu	Ser	Cys	Ser	Asp	Val	Ser	Val	Ser	Gly	Ile	Val	Ile	Ser	Phe	Thr
		195					200					205			

<210> 2293
 <211> 177
 <212> PRT
 <213> Mus musculus

<400> 2293

Met	Ala	Phe	Ile	Tyr	Asn	Gly	Ser	Gln	Thr	Thr	Val	Thr	Glu	Phe	Ile
1				5					10					15	
Leu	Leu	Gly	Leu	Thr	Asp	Asp	Pro	Val	Leu	Lys	Val	Ile	Leu	Phe	Ser
			20					25					30		
Ile	Ile	Leu	Cys	Ile	Tyr	Leu	Val	Thr	Val	Phe	Gly	Asn	Leu	Ser	Thr
		35					40					45			
Ile	Leu	Leu	Ile	Gly	Val	Ser	Ser	Lys	Leu	His	His	Pro	Met	Tyr	Phe
		50				55					60				
Phe	Leu	Ser	His	Leu	Ala	Ser	Val	Asp	Met	Gly	Leu	Ser	Ser	Ser	Val
65					70					75					80
Thr	Pro	Asn	Met	Leu	Val	Asn	Phe	Leu	Thr	Glu	Lys	Asn	Thr	Ile	Ser
				85					90					95	
Tyr	Leu	Gly	Cys	Gly	Ile	Gln	Leu	Ser	Ser	Ala	Ala	Phe	Phe	Gly	Ala
			100					105					110		
Val	Glu	Phe	Phe	Leu	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Leu	Val	Ala
		115					120					125			
Ile	Cys	Asn	Pro	Leu	Leu	Tyr	Ser	Thr	Lys	Met	Ser	Thr	Gln	Val	Cys
	130					135					140				
Ile	Gln	Leu	Val	Val	Gly	Thr	Tyr	Val	Gly	Gly	Phe	Leu	Asn	Ala	Ser
145					150					155					160
Phe	Val	Thr	His	Phe	Phe	Phe	Leu	Ser	Phe	Cys	Gly	Pro	Asn	Arg	Val
				165					170					175	

Asn

<210> 2294
 <211> 189
 <212> PRT
 <213> Mus musculus

<400> 2294

Met	Ala	His	Asn	Asn	Glu	Ser	Thr	Val	Ser	Glu	Phe	Val	Leu	Leu	Gly	
1				5					10					15		
Leu	Ser	Lys	Ser	Trp	Gly	Leu	Gln	Leu	Val	Leu	Phe	Thr	Ile	Phe	Phe	
			20					25					30			
Val	Ile	Tyr	Val	Thr	Ser	Val	Leu	Gly	Asn	Ile	Met	Ile	Ile	Val	Ile	
		35					40					45				
Ile	Phe	Ser	Asp	Ser	His	Leu	Asn	Ser	Pro	Met	Tyr	Phe	Leu	Leu	Ser	
	50					55					60					
Asn	Leu	Ser	Phe	Ile	Asp	Ile	Cys	Gln	Ser	Asn	Phe	Ala	Thr	Pro	Lys	
65					70					75					80	
Met	Leu	Val	Asp	Phe	Phe	Val	Glu	Tyr	Lys	Thr	Ile	Ser	Phe	Glu	Gly	
			85						90					95		
Cys	Met	Ala	Gln	Ile	Phe	Leu	Leu	His	Ser	Phe	Val	Gly	Ser	Glu	Met	
			100					105					110			
Met	Leu	Leu	Val	Ala	Met	Gly	Tyr	Asp	Arg	Phe	Val	Ala	Ile	Cys	Lys	
		115					120					125				
Pro	Leu	His	Tyr	Asn	Leu	Ile	Met	Asn	Arg	Arg	Val	Cys	Ile	Ile	Phe	
		130				135					140					
Val	Ser	Ile	Ser	Trp	Ala	Val	Gly	Ile	Leu	His	Ser	Val	Ser	His	Leu	
145					150					155					160	
Ala	Phe	Thr	Val	Asn	Leu	Pro	Phe	Cys	Gly	Pro	Asn	Glu	Val	Asp	Ser	
				165					170					175		
Phe	Phe	Cys	Asp	Leu	Pro	Leu	Val	Ile	Lys	Leu	Ala	Cys				
			180					185								

<210> 2295

<211> 149

<212> PRT

<213> Mus musculus

<400> 2295

Ala	Leu	Thr	Val	Asn	Leu	Pro	Phe	Cys	Gly	His	Asn	Ile	Ile	Asn	Asn	
1				5					10					15		
Ile	Phe	Cys	Asp	Leu	Pro	Leu	Val	Ile	Lys	Leu	Ala	Cys	Ile	Glu	Thr	
			20					25					30			
Tyr	Thr	Leu	Glu	Leu	Phe	Val	Ile	Ala	Asp	Ser	Gly	Leu	Leu	Ser	Phe	
		35					40					45				
Ile	Ser	Phe	Phe	Leu	Leu	Leu	Val	Ser	Tyr	Thr	Val	Ile	Leu	Leu	Ile	
	50					55					60					
Ile	Lys	His	Lys	Ser	Pro	Gly	Ser	Leu	Ser	Lys	Ala	Leu	Ser	Thr	Leu	
65					70					75					80	
Ser	Ala	His	Ile	Ile	Val	Val	Thr	Leu	Phe	Phe	Gly	Pro	Cys	Ile	Phe	
			85						90					95		
Ile	Tyr	Ala	Trp	Pro	Phe	Gly	Ser	Phe	Ala	Ser	Asn	Thr	Thr	Leu	Ala	
			100					105					110			
Val	Phe	Tyr	Thr	Val	Ile	Thr	Pro	Leu	Leu	Asn	Pro	Ile	Ile	Tyr	Thr	
		115					120					125				
Leu	Arg	Asn	Gln	Glu	Met	Lys	Lys	Ala	Met	Arg	Lys	Leu	Trp	Ile	Gln	
		130				135					140					
Gln	Val	Ser	Cys	Thr												
145																

<210> 2296

<211> 290

<212> PRT

<213> Mus musculus

<220>
 <221> VARIANT
 <222> (86)...(91)
 <223> Any amino acid

<400> 2296

Met	Ala	Val	Thr	Asn	Glu	Ser	His	Pro	Lys	Glu	Phe	Ile	Leu	Leu	Gly
1				5					10					15	
Phe	Ala	Asn	His	Pro	Trp	Leu	Glu	Leu	Pro	Leu	Phe	Val	Thr	Leu	Leu
			20					25					30		
Ile	Thr	Tyr	Pro	Met	Ala	Leu	Met	Gly	Asn	Ile	Ala	Ile	Ile	Leu	Val
		35					40					45			
Ser	Thr	Leu	Asp	Pro	Arg	Leu	Tyr	Ser	Pro	Met	Tyr	Phe	Phe	Leu	Lys
	50					55					60				
Asn	Leu	Ser	Phe	Leu	Asp	Met	Cys	Tyr	Thr	Thr	Ser	Ile	Val	Pro	Gln
65					70					75					80
Met	Leu	Phe	Asn	Leu	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Leu	Leu	Ala	Ile	Met
			85						90					95	
Ser	Phe	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu	His	Tyr	Thr	Leu
			100					105					110		
Ile	Met	Asn	Gln	Arg	Val	Cys	Ile	Leu	Ser	Val	Ser	Ile	Met	Trp	Leu
		115					120					125			
Thr	Gly	Val	Ile	Phe	Gly	Phe	Ser	Glu	Ala	Thr	Leu	Thr	Leu	Gln	Leu
	130					135					140				
Pro	Leu	Cys	Gly	Thr	Asn	Lys	Leu	Asp	His	Leu	Leu	Cys	Glu	Ile	Pro
145					150					155					160
Val	Leu	Ile	Lys	Thr	Ala	Cys	Gly	Glu	Lys	Glu	Phe	Asn	Glu	Leu	Ala
			165						170					175	
Leu	Ser	Val	Val	Cys	Ile	Phe	Ile	Leu	Ile	Val	Pro	Leu	Cys	Leu	Ile
		180						185					190		
Leu	Ala	Ser	Tyr	Val	Asn	Ile	Gly	Cys	Ala	Val	Leu	Arg	Ile	Lys	Ser
		195					200					205			
Ser	Glu	Gly	Arg	Arg	Lys	Ala	Phe	Gly	Thr	Cys	Ser	Ser	His	Leu	Ile
	210					215					220				
Val	Val	Ser	Leu	Phe	Tyr	Gly	Pro	Gly	Ile	Ser	Met	Tyr	Leu	Gln	Pro
225					230					235					240
Ser	Ser	Ser	Ile	Thr	Arg	Asp	Gln	Pro	Lys	Phe	Met	Ala	Leu	Phe	Tyr
				245					250					255	
Ala	Val	Ile	Thr	Pro	Thr	Leu	Asn	Pro	Phe	Ile	Tyr	Thr	Leu	Arg	Asn
			260					265					270		
Lys	Asp	Val	Lys	Gly	Ala	Phe	Lys	Lys	Leu	Leu	Arg	Ser	Ile	Phe	Ser
		275					280					285			
Ser	Lys														
	290														

<210> 2297
 <211> 320
 <212> PRT
 <213> Mus musculus

<220>
 <221> VARIANT
 <222> (197)...(270)
 <223> Any amino acid

<400> 2297

Met Glu Val Asn Arg Ser Gln Val Thr Asp Phe Val Leu Lys Gly Ile

1				5					10					15			
Thr	Asp	His	Thr	Glu	Leu	Gln	Val	Pro	Leu	Phe	Leu	Leu	Phe	Phe	Phe		
			20					25					30				
Ile	Tyr	Val	Thr	Thr	Met	Val	Gly	Asn	Leu	Gly	Leu	Ile	Phe	Leu	Ile		
		35					40					45					
Trp	Lys	Asp	Pro	His	Leu	His	Thr	Pro	Met	Tyr	Tyr	Phe	Leu	Gly	Ser		
	50					55					60						
Leu	Ala	Phe	Ala	Asp	Ala	Cys	Thr	Ser	Ser	Ser	Val	Thr	Pro	Arg	Met		
65				70					75						80		
Leu	Val	Asn	Ile	Leu	Asp	Asn	Gly	Lys	Met	Ile	Ser	Leu	Ser	Glu	Cys		
				85				90						95			
Met	Ala	Gln	Tyr	Tyr	Val	Phe	Gly	Ser	Ser	Ala	Thr	Thr	Glu	Cys	Phe		
		100						105					110				
Leu	Leu	Val	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asn	Pro		
		115					120					125					
Leu	Leu	Tyr	Leu	Val	Val	Met	Ser	Asn	Arg	Val	Cys	Thr	Cys	Leu	Ile		
	130					135					140						
Ser	Gly	Ser	Tyr	Ile	Ile	Gly	Phe	Leu	His	Pro	Leu	Ile	His	Val	Gly		
145				150					155						160		
Leu	Leu	Phe	Arg	Leu	Thr	Phe	Cys	Lys	Ser	Asn	Ile	Ile	Asp	His	Phe		
				165					170					175			
Tyr	Cys	Glu	Ile	Leu	Pro	Leu	Tyr	Thr	Ile	Ser	Cys	Thr	Asp	Pro	Ser		
		180						185					190				
Ile	Asn	Ala	Phe	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa		
		195					200					205					
Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa		
	210						215					220					
Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa		
225				230					235						240		
Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Phe	Xaa	
				245					250						255		
Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Met	Tyr	
			260					265					270				
Val	Ser	Pro	Gly	Ser	Gly	Pro	Ser	Lys	Tyr	Lys	Asn	Lys	Met	Tyr	Ser		
		275					280					285					
Leu	Phe	Tyr	Thr	Ile	Val	Ile	Pro	Leu	Leu	Asn	Pro	Phe	Ile	Tyr	Ser		
	290					295					300						
Leu	Arg	Asn	Lys	Glu	Val	Leu	Gly	Ala	Leu	Arg	Lys	Ile	Ile	Lys	Ser		
305					310					315					320		

<210> 2298

<211> 306

<212> PRT

<213> Mus musculus

<400> 2298

Met	Thr	Val	Glu	Asn	Gln	Thr	Val	Val	Ala	Val	Phe	Val	Leu	Thr	Gly		
1				5					10				15				
Leu	Thr	Glu	Arg	Pro	Glu	Leu	Gln	Val	Pro	Leu	Phe	Leu	Val	Phe	Phe		
		20						25				30					
Thr	Ile	Tyr	Leu	Ile	Thr	Met	Val	Gly	Asn	Leu	Gly	Leu	Ile	Ala	Leu		
		35					40					45					
Ile	Trp	Lys	Asp	Pro	His	Leu	His	Thr	Pro	Met	Tyr	Leu	Phe	Leu	Gly		
	50					55					60						
Ser	Leu	Ala	Phe	Ala	Asp	Ala	Cys	Ala	Ser	Ser	Ser	Val	Thr	Pro	Lys		
65				70					75						80		
Met	Leu	Val	Asn	Phe	Leu	Ser	Lys	Asp	His	Arg	Thr	Phe	Leu	Val	Glu		
			85						90					95			

Cys	Phe	Thr	Gln	Phe	Tyr	Phe	Phe	Gly	Ser	Ser	Ala	Thr	Thr	Glu	Cys
			100					105					110		
Phe	Leu	Leu	Ser	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asn
		115					120					125			
Pro	Leu	Leu	Tyr	Pro	Val	Met	Met	Ser	Asn	Ser	Leu	Cys	Met	Lys	Phe
	130					135					140				
Ile	His	Val	Ser	Tyr	Ile	Val	Gly	Phe	Leu	His	Ser	Ala	Ile	His	Val
145					150					155					160
Gly	Leu	Leu	Val	Arg	Leu	Asn	Phe	Cys	Lys	Ser	Asn	Ile	Ile	His	Tyr
			165						170					175	
Phe	Tyr	Cys	Glu	Ile	Leu	Gln	Leu	Phe	Lys	Ile	Ser	Cys	Thr	Asp	Pro
		180						185					190		
Thr	Met	Asn	Val	Leu	Leu	Val	Leu	Ile	Phe	Ser	Ala	Leu	Ile	Gln	Gly
		195					200					205			
Leu	Thr	Phe	Met	Thr	Ile	Ile	Val	Ser	Tyr	Phe	Ser	Val	Leu	Leu	Ala
	210					215					220				
Ile	Leu	Lys	Thr	Lys	Ser	Glu	Arg	Gly	Arg	Arg	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Ser	Ala	His	Leu	Leu	Ser	Val	Ser	Leu	Phe	Tyr	Gly	Thr	Leu	Phe
			245						250					255	
Leu	Met	Tyr	Val	Arg	Pro	Gly	Ser	Gly	Ser	Gly	Glu	Asp	Lys	Asp	Arg
		260						265				270			
Met	Tyr	Ser	Leu	Phe	Tyr	Thr	Ile	Ile	Pro	Phe	Leu	Asn	Pro	Phe	
		275					280				285				
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Thr	Ala	Ala	Leu	Arg	Arg	Lys
	290					295					300				
Met	Lys														
305															

<210> 2299

<211> 236

<212> PRT

<213> Mus musculus

<400> 2299

Ser	Ser	Thr	Val	Thr	Pro	Lys	Met	Leu	Gln	Asp	Ile	Phe	Ser	Lys	Ser
1				5					10					15	
Lys	Leu	Ile	Ser	Phe	Ser	Glu	Cys	Met	Ile	Gln	Phe	Phe	Ser	Phe	Val
			20					25					30		
Val	Ser	Thr	Thr	Thr	Glu	Cys	Phe	Leu	Leu	Ala	Ala	Met	Ala	Tyr	Asp
		35					40					45			
Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu	Leu	Tyr	Pro	Val	Ile	Met	Thr
	50					55					60				
Asn	Arg	Leu	Cys	Val	Arg	Leu	Leu	Thr	Leu	Ser	Phe	Leu	Gly	Gly	Phe
65					70					75					80
Ile	His	Ala	Leu	Ile	His	Glu	Gly	Phe	Leu	Phe	Arg	Leu	Ile	Phe	Cys
			85						90					95	
Arg	Ser	His	Ile	Ile	Asn	His	Phe	Tyr	Cys	Asp	Val	Met	Pro	Leu	Leu
			100					105					110		
Lys	Ile	Ser	Cys	Asn	Asp	Pro	Ser	Ile	Asn	Tyr	Leu	Met	Leu	Phe	Ile
		115					120					125			
Phe	Ser	Gly	Ser	Ile	Gln	Val	Phe	Thr	Ile	Thr	Thr	Ile	Leu	Val	Ser
	130					135					140				
Tyr	Thr	Leu	Val	Leu	Phe	Ser	Ile	Leu	Lys	Lys	Lys	Ser	Leu	Lys	Ser
145					150					155					160
Ile	Lys	Lys	Ala	Phe	Ser	Thr	Cys	Gly	Ala	His	Leu	Leu	Ser	Val	Ser
			165						170					175	
Leu	Tyr	Tyr	Gly	Pro	Leu	Leu	Phe	Met	Tyr	Val	Arg	Pro	Ala	Ser	Pro

<212> PRT

<213> Mus musculus

<400> 2301

Phe	Leu	Gly	Gly	Phe	Ile	His	Ala	Leu	Ile	His	Glu	Ser	Phe	Leu	Phe
1				5					10					15	
Arg	Leu	Ile	Phe	Cys	Ser	Ser	His	Ile	Ile	His	His	Phe	Tyr	Cys	Asp
			20					25					30		
Val	Ile	Pro	Leu	Leu	Lys	Ile	Ser	Cys	Asn	Asp	Pro	Ser	Ile	Asn	Tyr
		35					40					45			
Leu	Met	Leu	Phe	Ile	Phe	Ser	Gly	Ser	Ile	Gln	Val	Phe	Thr	Ile	Thr
	50					55					60				
Thr	Ile	Leu	Val	Ser	Tyr	Thr	Leu	Val	Leu	Phe	Ser	Ile	Leu	Lys	Lys
65					70					75					80
Lys	Ser	Leu	Lys	Ser	Ile	Lys	Lys	Ala	Phe	Ser	Thr	Cys	Gly	Ala	His
				85					90					95	
Leu	Leu	Ser	Val	Ser	Leu	Tyr	Tyr	Gly	Pro	Leu	Leu	Phe	Met	Tyr	Val
			100					105					110		
Arg	Pro	Ala	Ser	Pro	Gln	Val	Asn	Asp	Glu	Asp	Met	Met	Asp	Ser	Val
		115					120					125			
Phe	Tyr	Thr	Ile	Ile	Ile	Pro	Val	Leu	Asn	Pro	Ile	Ile	Tyr	Ser	Leu
	130					135					140				
Arg	Asn	Lys	Gln	Val	Lys	Lys	Ser	Leu	Ala	Lys	Phe	Leu	Arg	Arg	Asn
145					150					155					160
Thr															

<210> 2302

<211> 141

<212> PRT

<213> Mus musculus

<400> 2302

Phe	Cys	Arg	Ser	His	Val	Ile	Lys	His	Phe	Phe	Cys	Asp	Val	Pro	Pro
1				5					10					15	
Leu	Tyr	Arg	Leu	Ser	Cys	Val	Asp	Pro	Tyr	Ile	Asn	Glu	Leu	Met	Ile
			20					25					30		
Leu	Ile	Val	Ala	Gly	Ser	Val	Gln	Thr	Phe	Ser	Ile	Ile	Ile	Val	Leu
		35					40					45			
Ile	Ser	Tyr	Phe	Cys	Ile	Leu	Tyr	Thr	Ile	Phe	Thr	Met	Lys	Ser	Arg
	50					55					60				
Glu	Gly	Arg	Ser	Lys	Ala	Leu	Ser	Thr	Cys	Ala	Ser	His	Phe	Leu	Ser
65					70					75					80
Val	Ser	Ile	Phe	Tyr	Gly	Ser	Leu	Leu	Tyr	Thr	Tyr	Ile	Arg	Pro	Ser
				85					90					95	
Ser	Ile	Lys	Gly	Gly	Asp	Glu	Ala	Ile	Pro	Val	Ala	Ile	Phe	Tyr	Thr
			100					105					110		
Leu	Val	Ile	Pro	Leu	Leu	Asn	Pro	Phe	Ile	Tyr	Ser	Leu	Arg	Asn	Lys
		115					120					125			
Glu	Val	Ile	Asn	Val	Ile	Lys	Lys	Thr	Ile	Asn	Lys	Gly			
	130					135					140				

<210> 2303

<211> 133

<212> PRT

<213> Mus musculus

<400> 2303

Phe	Tyr	Cys	Asp	Val	Met	Pro	Leu	Leu	Ser	Ile	Ser	Cys	Asn	Asp	Pro
1				5					10					15	
Ser	Ile	Asn	Tyr	Leu	Met	Leu	Phe	Ile	Phe	Ser	Gly	Ser	Ile	Gln	Val
		20						25					30		
Phe	Thr	Ile	Thr	Thr	Ile	Leu	Val	Ser	Tyr	Thr	Leu	Val	Leu	Phe	Ser
		35					40					45			
Ile	Leu	Lys	Gln	Lys	Ser	Leu	Lys	Ser	Ile	Lys	Lys	Ala	Phe	Ser	Thr
	50					55					60				
Cys	Gly	Ala	His	Leu	Leu	Ser	Val	Ser	Leu	Tyr	Tyr	Gly	Pro	Leu	Leu
65					70					75					80
Phe	Met	Tyr	Val	Arg	Pro	Ala	Ser	Pro	Gln	Val	Asn	Asp	Glu	Asp	Met
				85					90					95	
Met	Asp	Ser	Val	Phe	Tyr	Thr	Ile	Ile	Ile	Pro	Val	Leu	Asn	Pro	Ile
			100					105					110		
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Gln	Val	Lys	Lys	Ser	Leu	Ala	Lys	Phe
		115					120					125			
Leu	Arg	Arg	Asn	Thr											
															130

<210> 2304

<211> 307

<212> PRT

<213> Mus musculus

<400> 2304

Met	Glu	Asn	Asp	Ser	Phe	Val	Ser	Glu	Phe	Ile	Leu	Met	Gly	Leu	Thr
1				5					10					15	
Asp	His	Pro	Glu	Leu	Gln	Leu	Ser	Leu	Phe	Val	Leu	Phe	Leu	Met	Asn
			20					25					30		
Tyr	Thr	Ala	Ile	Val	Met	Gly	Asn	Leu	Ser	Leu	Met	Ile	Leu	Ile	Phe
		35					40					45			
Leu	Asn	Ser	Asn	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Ile	Phe	Asn	Leu
	50					55					60				
Ser	Phe	Ile	Asp	Phe	Cys	Tyr	Ser	Phe	Val	Phe	Thr	Pro	Lys	Met	Leu
65					70					75					80
Met	Ser	Phe	Phe	Leu	Glu	Lys	Asn	Thr	Ile	Tyr	Phe	Arg	Gly	Cys	Met
				85					90					95	
Thr	Gln	Leu	Phe	Phe	Phe	Cys	Phe	Phe	Val	Asn	Ser	Glu	Ser	Tyr	Val
			100					105					110		
Leu	Thr	Ala	Met	Ala	Tyr	Asp	Cys	Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu
		115					120					125			
Leu	Tyr	Lys	Thr	Ile	Met	Val	Pro	Arg	Ile	Cys	Cys	Leu	Leu	Met	Phe
	130					135					140				
Val	Tyr	Leu	Ile	Gly	Phe	Thr	Ser	Ala	Met	Ile	Leu	Thr	Gly	Leu	Met
145					150					155					160
Phe	Arg	Leu	Asn	Phe	Cys	Asn	Asn	His	Ile	Ile	Asn	His	Tyr	Met	Cys
				165					170					175	
Asp	Ile	Phe	Pro	Val	Ile	Gln	Ile	Ser	Cys	Ser	Asp	Thr	Tyr	Leu	Asn
			180					185					190		
Glu	Leu	Val	Ser	Thr	Ala	Val	Val	Gly	Thr	Gly	Ile	Ile	Leu	Cys	Ser
		195					200					205			
Leu	Leu	Ile	Leu	Met	Ser	Tyr	Ala	Leu	Ile	Leu	Phe	Asn	Ile	Leu	Asn
	210					215					220				
Met	Ser	Ser	Gly	Lys	Gly	Trp	Ser	Lys	Ala	Met	Gly	Thr	Cys	Gly	Ser
225					230					235					240
His	Ile	Ile	Thr	Val	Ser	Leu	Phe	Tyr	Gly	Ser	Gly	Leu	Leu	Ala	Tyr
				245					250					255	

Val	Lys	Pro	Ser	Ser	Ala	Glu	Thr	Val	Gly	Gln	Gly	Lys	Phe	Phe	Ser
			260					265					270		
Leu	Phe	Tyr	Thr	Phe	Leu	Val	Pro	Val	Leu	Asn	Pro	Phe	Ile	Tyr	Ser
		275					280					285			
Pro	Gln	Asn	Lys	Asp	Val	Lys	Val	Ala	Val	Lys	Lys	Thr	Leu	Lys	Arg
	290					295					300				
Ile	Ser	Asn													
305															

<210> 2305
 <211> 312
 <212> PRT
 <213> Mus musculus

<400> 2305															
Met	Val	Leu	Asp	Asn	Gly	Ser	Tyr	Met	Thr	Glu	Phe	Ile	Leu	Leu	Val
1				5					10					15	
Leu	Asn	Asp	Pro	Asp	Leu	Gln	Leu	Pro	Leu	Phe	Leu	Leu	Phe	Leu	Leu
			20					25					30		
Ile	Tyr	Thr	Thr	Thr	Thr	Leu	Gly	Asn	Leu	Ala	Leu	Ile	Thr	Leu	Ile
		35					40					45			
Ala	Leu	Asn	Ser	Leu	Leu	His	Ser	Pro	Thr	Tyr	Cys	Ser	Pro	Leu	Asn
	50					55					60				
Leu	Ser	Leu	Ile	Asp	Leu	Cys	Tyr	Ser	Ser	Val	Ile	Thr	Pro	Lys	Met
65					70					75					80
Leu	Met	Asn	Phe	Leu	Val	Arg	Lys	Asn	Ile	Ile	Ser	Tyr	Met	Glu	Cys
			85					90						95	
Leu	Pro	Ser	Ser	Leu	Leu	Phe	Val	Phe	Cys	Phe	Ser	Ala	Ile	Cys	Glu
			100					105					110		
Cys	Cys	Val	Leu	Ile	Ser	Met	Ala	Tyr	Asp	Asn	Tyr	Met	Ala	Val	Cys
		115					120					125			
Asn	Pro	Val	Leu	Tyr	Asn	Ile	Thr	Ile	Ser	Pro	Lys	Val	Cys	Ser	Tyr
	130					135					140				
Leu	Met	Leu	Gly	Ser	His	Ile	Met	Arg	Phe	Ser	Gly	Ala	Met	Ile	His
145					150					155					160
Thr	Gly	Ser	Ile	Leu	Arg	Leu	Pro	Phe	Cys	Asp	Arg	Ser	Ile	Ile	Lys
			165					170						175	
His	Tyr	Phe	Cys	Glu	Leu	Phe	Pro	Leu	Leu	Gln	Leu	Ser	Cys	Thr	Ser
		180						185					190		
Ile	Tyr	Ala	Asn	Glu	Ile	Glu	Ile	Leu	Ile	Ile	Asp	Ser	Lys	Asp	Ile
		195					200					205			
Ile	Val	Ser	Ser	Val	Ile	Ile	Phe	Thr	Ser	Tyr	Gly	Phe	Ile	Leu	Ser
	210					215					220				
Asn	Ile	Leu	Gln	Met	Arg	Ser	Thr	Ala	Gly	Met	Ser	Lys	Ala	Phe	Ser
225					230					235					240
Thr	Cys	Ile	Ser	His	Ile	Leu	Thr	Phe	Ser	Leu	Phe	Phe	Gly	Ser	Cys
				245					250					255	
Ala	Leu	Met	Tyr	Leu	His	Pro	Ser	Ser	Pro	Gly	Ser	Met	Asp	Gln	Gly
			260					265					270		
Lys	Val	Ser	Ser	Val	Phe	Tyr	Ile	Ile	Val	Val	Pro	Met	Met	Asn	Pro
		275					280					285			
Leu	Ile	Phe	Ser	Phe	Arg	Asn	Lys	Asp	Ile	Lys	Ile	Ala	Leu	Arg	Lys
	290					295					300				
Val	Leu	Ser	Lys	Lys	Arg	Phe	Leu								
305					310										

<210> 2306

<211> 311
 <212> PRT
 <213> Mus musculus

<400> 2306

Met	Ala	Ser	Gly	Asn	Asp	Ser	Thr	Thr	Val	Lys	Glu	Phe	Ile	Leu	Leu
1				5					10					15	
Gly	Leu	Thr	Gln	Gln	Pro	Glu	Leu	Gln	Leu	Pro	Phe	Phe	Phe	Leu	Phe
			20					25					30		
Leu	Gly	Ile	Tyr	Val	Val	Ser	Ile	Val	Gly	Asn	Leu	Gly	Leu	Ile	Val
		35					40					45			
Leu	Ile	Val	Leu	Asn	Pro	His	Leu	His	Thr	Pro	Met	Tyr	Tyr	Phe	Leu
		50				55					60				
Phe	Asn	Leu	Ser	Phe	Ile	Asp	Phe	Cys	Tyr	Ser	Ser	Val	Ile	Thr	Pro
65					70				75						80
Lys	Met	Leu	Val	Gly	Phe	Val	Lys	Gln	Asn	Ile	Ile	Ser	His	Ala	Glu
				85					90					95	
Cys	Met	Thr	Gln	Leu	Phe	Phe	Phe	Ala	Phe	Phe	Val	Ile	Asp	Glu	Cys
			100					105					110		
Cys	Ile	Leu	Thr	Ala	Met	Ser	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys
		115					120					125			
Pro	Leu	Leu	Tyr	Lys	Val	Thr	Met	Ser	Tyr	Gln	Val	Cys	Phe	Met	Met
		130					135					140			
Thr	Val	Ser	Val	Tyr	Met	Met	Gly	Phe	Val	Gly	Ala	Ile	Ala	His	Thr
145					150					155					160
Ile	Cys	Met	Leu	Arg	Leu	Thr	Phe	Cys	Asp	Gly	Asn	Ile	Ile	Asn	His
				165					170					175	
Tyr	Met	Cys	Asp	Ile	Pro	Pro	Leu	Leu	Lys	Leu	Ser	Cys	Thr	Asn	Thr
			180					185					190		
Ser	Val	Asn	Glu	Leu	Val	Val	Phe	Ile	Val	Val	Gly	Val	Asn	Val	Ile
		195					200					205			
Gly	Pro	Thr	Leu	Ile	Ile	Phe	Thr	Ser	Tyr	Thr	Leu	Ile	Ile	Phe	Asn
		210				215					220				
Ile	Ser	His	Ile	Arg	Ser	Thr	Glu	Gly	Arg	Ser	Lys	Ala	Ile	Ser	Thr
225					230					235					240
Cys	Ser	Ser	His	Ile	Ile	Ala	Val	Ser	Ile	Phe	Phe	Gly	Ala	Ser	Ala
			245						250				255		
Phe	Met	Tyr	Leu	Lys	Pro	Ser	Pro	Val	Gly	Ser	Val	Gly	Glu	Asp	Lys
			260					265					270		
Val	Ser	Thr	Val	Phe	Tyr	Thr	Ile	Val	Gly	Pro	Met	Leu	Asn	Pro	Phe
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	His	Ile	Ala	Leu	His	Lys	Thr
		290				295					300				
Leu	Lys	Lys	Ser	Met	Leu	Ile									
305					310										

<210> 2307
 <211> 235
 <212> PRT
 <213> Mus musculus

<400> 2307

Met	Asp	Ser	Phe	Asn	Ala	Thr	Leu	Glu	Glu	Arg	Phe	Phe	Leu	Val	Gly
1				5					10					15	
Phe	Leu	Asp	Trp	Pro	Gln	Leu	Glu	Leu	Ile	Leu	Phe	Val	Phe	Ile	Ser
			20					25					30		
Ile	Phe	Tyr	Ser	Leu	Thr	Ile	Phe	Gly	Asn	Thr	Ala	Ile	Ile	Ala	Leu
		35					40					45			

Ser	Gln	Met	Asp	Leu	Arg	Leu	His	Thr	Pro	Met	Tyr	Tyr	Phe	Leu	Ser
50						55					60				
His	Leu	Ser	Phe	Leu	Asp	Leu	Cys	Tyr	Thr	Thr	Ser	Thr	Val	Pro	Gln
65					70					75					80
Leu	Leu	Ile	Asn	Leu	His	Gly	Leu	Asp	Arg	Thr	Ile	Ser	Tyr	Gly	Gly
			85						90					95	
Cys	Val	Ala	Gln	Leu	Phe	Ile	Ser	Leu	Ala	Leu	Gly	Ser	Thr	Glu	Cys
			100					105					110		
Val	Leu	Leu	Val	Val	Met	Ala	Phe	Asp	Arg	Tyr	Ala	Ala	Val	Cys	Arg
			115					120				125			
Pro	Leu	His	Tyr	Met	Thr	Ile	Met	His	Pro	Leu	Leu	Cys	Gln	Ala	Leu
						135					140				
Ala	Leu	Ala	Ser	Trp	Val	Gly	Gly	Phe	Leu	Asn	Ser	Leu	Ile	Gln	Thr
145					150					155					160
Gly	Leu	Met	Met	Ala	Met	Pro	Leu	Cys	Gly	His	Arg	Leu	Asn	His	Phe
				165					170					175	
Phe	Cys	Glu	Met	Pro	Val	Phe	Leu	Lys	Leu	Ala	Cys	Gln	Asp	Thr	Gly
			180					185					190		
Gly	Thr	Glu	Ala	Lys	Met	Phe	Val	Ala	Arg	Ala	Ile	Ile	Leu	Val	Phe
		195					200					205			
Pro	Ala	Thr	Leu	Ile	Leu	Gly	Ser	Tyr	Gly	His	Ile	Ala	Lys	Ala	Val
		210				215					220				
Leu	Lys	Val	Lys	Ser	Thr	Ala	Gly	Arg	Arg	Lys					
225					230					235					

<210> 2308

<211> 311

<212> PRT

<213> Mus musculus

<400> 2308

Met	Gln	Asn	Gln	Ser	Ile	Val	Thr	Glu	Phe	Ile	Leu	Leu	Gly	Leu	Ser
1				5					10					15	
Gln	Asn	Pro	Lys	Val	Glu	Lys	Ile	Leu	Ser	Val	Leu	Phe	Phe	Leu	Val
			20					25					30		
Tyr	Leu	Ala	Thr	Ile	Gly	Gly	Asn	Ile	Ile	Ile	Val	Val	Thr	Ile	Val
		35				40						45			
Phe	Ser	Pro	Ala	Leu	Ser	Gly	Ser	Pro	Met	Tyr	Phe	Phe	Leu	Ser	Phe
		50				55				60					
Leu	Ser	Phe	Leu	Asp	Ala	Cys	Val	Ser	Ser	Val	Ile	Thr	Pro	Lys	Met
65				70						75					80
Ile	Val	Asp	Phe	Phe	Tyr	Glu	Arg	Lys	Thr	Ile	Ser	Phe	Glu	Cys	Cys
			85						90					95	
Met	Ile	Gln	Leu	Phe	Ala	Val	His	Phe	Phe	Thr	Gly	Val	Glu	Val	Ile
			100					105					110		
Val	Leu	Ser	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro
			115					120				125			
Leu	His	Tyr	Ser	Ser	Ile	Met	Thr	Gln	Arg	Leu	Cys	Gly	Ile	Leu	Val
						135					140				
Gly	Ile	Ala	Trp	Ala	Gly	Gly	Phe	Leu	His	Ser	Ile	Ile	Gln	Ile	Ile
145					150					155					160
Phe	Thr	Leu	Gln	Leu	Pro	Phe	Cys	Gly	Pro	Asn	Val	Ile	Asp	His	Phe
				165					170					175	
Val	Cys	Asp	Leu	Phe	Pro	Leu	Leu	Lys	Leu	Ala	Cys	Thr	Asn	Thr	His
			180					185					190		
Ile	Phe	Val	Ile	Leu	Val	Phe	Ala	Asn	Ser	Gly	Ser	Ile	Cys	Ile	Ile
		195					200					205			
Ile	Phe	Ser	Ile	Leu	Leu	Val	Ser	Tyr	Gly	Val	Ile	Leu	Phe	Ser	Leu

210		215		220
Arg Asn His Ser Ser Glu Gly Arg Arg Lys Ala Leu Ser Thr Cys Gly				
225		230		235
Ser His Ile Thr Gly Val Leu Leu Phe Phe Val Pro Cys Ile Leu Ile				240
	245		250	
Tyr Ala Arg Asn Asn Ser Glu Phe Ser Phe Glu Lys Asn Val Phe Ile				255
	260		265	
Phe Asp Asp Val Leu Thr Pro Met Leu Asn Pro Leu Ala Tyr Thr Phe				270
	275		280	
Arg Asn Lys Glu Met Lys Asn Ala Ile Lys Lys Met Trp Arg Arg Leu				285
	290		295	
Phe Asn Ile Ser Asp Lys His			300	
305		310		

<210> 2309

<211> 264

<212> PRT

<213> Mus musculus

<400> 2309

Met Asn Ser Ile Tyr Phe Asn Ile Leu Leu Glu Ile Met Gln Asn Gln				
1	5	10	15	
Ser Phe Val Thr Glu Phe Ile Phe Leu Gly Leu Ser Gln Asn Pro Lys				
	20	25	30	
Val Gln Lys Ile Val Phe Ile Val Phe Leu Phe Val Tyr Ile Ala Thr				
	35	40	45	
Val Gly Gly Asn Met Ile Ile Val Val Thr Ile Val Cys Ser Pro Ala				
	50	55	60	
Leu Ile Asp Cys Pro Met Tyr Phe Phe Leu Ala Phe Leu Ser Leu Leu				
65	70	75	80	
Asp Ala Cys Phe Ser Ser Val Ile Thr Pro Lys Met Val Val Asp Ser				
	85	90	95	
Leu Tyr Glu Lys Lys Thr Ile Ser Phe Glu Gly Cys Met Met Gln Leu				
	100	105	110	
Phe Ala Glu His Phe Leu Ala Ala Val Glu Val Ile Val Leu Thr Ala				
	115	120	125	
Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Lys Pro Leu His Tyr Ser				
	130	135	140	
Ser Ile Met Asn Trp Arg Leu Cys Gly Thr Leu Met Gly Ile Ala Trp				
145	150	155	160	
Thr Gly Gly Phe Leu His Ser Ile Ile Gln Ile Ile Phe Thr Leu Gln				
	165	170	175	
Leu Pro Phe Cys Gly Pro Asn Val Ile Asp His Phe Met Cys Asp Leu				
	180	185	190	
Phe Pro Leu Leu Glu Leu Ala Cys Thr Asp Thr His Ile Phe Gly Leu				
	195	200	205	
Leu Val Val Ala Asn Ser Gly Ser Ile Cys Ile Ile Ile Phe Ser Ile				
	210	215	220	
Leu Leu Val Ser Tyr Gly Val Ile Leu Phe Ser Leu Lys Asp His Ser				
225	230	235	240	
Ser Glu Gly Arg Trp Lys Ala Leu Ser Thr Cys Gly Ser His Ile Ala				
	245	250	255	
Val Val Val Leu Phe Phe Val Pro				
	260			

<210> 2310

<211> 344

<212> PRT
<213> Mus musculus

<220>
<221> VARIANT
<222> (124)...(301)
<223> Any amino acid

<400> 2310
Met Trp Ile His Leu Glu Phe Met Glu Asn His Lys Asn Val Thr Glu
1 5 10 15
Phe Ile Phe Met Gly Leu Trp Glu Asn Arg Gln Ile Glu Leu Leu Phe
20 25 30
Phe Leu Leu Phe Leu Leu Cys Tyr Leu Ala Val Leu Met Gly Asn Ser
35 40 45
Val Ile Leu Leu Thr Ile Thr Cys Ser His Leu Ile Glu Gln Pro Met
50 55 60
Tyr Tyr Phe Leu Cys His Leu Ser Leu Met Asp Leu Cys Tyr Thr Ser
65 70 75 80
Thr Val Ile Pro Arg Leu Ile Arg Asp Leu Ala Ala Thr Arg Lys Asn
85 90 95
Ile Ser Tyr Asn Glu Cys Met Thr Gln Leu Phe Thr Ala His Leu Leu
100 105 110
Ala Gly Val Glu Ile Phe Ile Leu Val Ser Arg Xaa Xaa Xaa Xaa Xaa
115 120 125
Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
130 135 140
Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
145 150 155 160
Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
165 170 175
Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
180 185 190
Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
195 200 205
Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
210 215 220
Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
225 230 235 240
Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Phe
245 250 255
Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
260 265 270
Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
275 280 285
Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Phe Tyr Thr
290 295 300
Val Ile Ala Pro Met Leu Asn Pro Leu Ile Tyr Thr Leu Arg Asn Ser
305 310 315 320
Glu Met Lys Ser Ala Met His Lys Val Trp Ser Arg Leu Ser Leu Arg
325 330 335
Val Glu Val Ser Glu Arg Ile Leu
340

<210> 2311
<211> 157
<212> PRT
<213> Mus musculus

<400> 2311

Ser	Ile	Ile	Gln	Ile	Ile	Phe	Thr	Leu	Gln	Leu	Pro	Phe	Cys	Gly	Pro
1				5					10					15	
Asn	Val	Ile	Asp	His	Phe	Met	Cys	Asp	Leu	Phe	Pro	Leu	Leu	Glu	Leu
			20					25					30		
Ala	Cys	Thr	Asn	Thr	Tyr	Val	Tyr	Gly	Leu	Leu	Val	Phe	Ala	Asn	Ser
		35					40					45			
Gly	Ser	Ile	Cys	Ile	Ile	Ile	Phe	Ser	Met	Leu	Leu	Ile	Ser	Tyr	Gly
	50				55						60				
Val	Ile	Leu	Phe	Ser	Leu	Arg	Ser	His	Ser	Ser	Glu	Gly	Arg	Trp	Lys
65					70					75					80
Ala	Leu	Ser	Thr	Cys	Gly	Ser	His	Ile	Ala	Val	Val	Val	Ser	Phe	Phe
				85					90					95	
Val	Pro	Cys	Ile	Phe	Ile	Tyr	Ala	Arg	Ser	Thr	Ser	Ala	Ser	Ser	Phe
			100					105					110		
Glu	Lys	Lys	Val	Ala	Val	Phe	Asp	Gly	Ile	Met	Thr	Pro	Leu	Leu	Asn
		115					120					125			
Pro	Leu	Ile	Tyr	Thr	Phe	Arg	Asn	Lys	Glu	Met	Lys	Asn	Ala	Ile	Arg
	130					135					140				
Lys	Met	Trp	Asn	Arg	Phe	Arg	Met	Val	Ser	Asp	Lys	Phe			
145					150					155					

<210> 2312

<211> 310

<212> PRT

<213> Mus musculus

<220>

<221> VARIANT

<222> (153)...(226)

<223> Any amino acid

<400> 2312

Met	Gly	Gln	Ser	Asn	Asn	Val	Thr	Glu	Phe	Val	Leu	Leu	Gly	Phe	Thr
1				5					10					15	
Gln	Asp	Pro	Ala	Gly	Gln	Lys	Ala	Leu	Phe	Val	Met	Phe	Ser	Leu	Met
			20					25					30		
Tyr	Ile	Ala	Thr	Met	Val	Gly	Asn	Leu	Leu	Ile	Val	Gly	Thr	Val	Ile
		35				40						45			
Ala	Ser	Pro	Ser	Leu	Gly	Ser	Pro	Met	Tyr	Phe	Phe	Leu	Ala	Ser	Leu
	50				55						60				
Ser	Leu	Met	Asp	Ala	Val	Tyr	Ser	Thr	Ala	Ile	Ser	Pro	Lys	Leu	Ile
65					70					75					80
Val	Asp	Leu	Leu	Arg	Glu	Lys	Lys	Thr	Ile	Ser	Phe	Arg	Ala	Cys	Ile
				85					90					95	
Ser	Gln	Leu	Phe	Ile	Glu	His	Leu	Phe	Gly	Gly	Val	Asp	Ile	Val	Ile
			100					105					110		
Leu	Val	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu
		115					120					125			
His	Tyr	Leu	Ile	Ile	Met	Asn	Arg	Arg	Val	Cys	Ile	Leu	Leu	Leu	Val
	130				135						140				
Met	Ala	Trp	Ala	Gly	Gly	Phe	Ala	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa
145					150				155						160
Xaa	Xaa	Xaa	Xaa	Pro	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa
				165				170						175	
Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa
			180					185					190		

Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa
		195						200					205			
Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa
		210						215					220			
Xaa	Xaa	Leu	Ser	Thr	Cys	Gly	Ser	His	Ile	Thr	Val	Val	Phe	Leu	Phe	
225					230						235				240	
Phe	Val	Pro	Cys	Ile	Phe	Met	Tyr	Val	Arg	Pro	Val	Ser	Ser	Phe	Pro	
				245					250					255		
Ile	Asp	Lys	Ser	Ile	Thr	Val	Ile	Tyr	Thr	Ile	Val	Thr	Pro	Met	Leu	
			260					265					270			
Asn	Pro	Leu	Ile	Tyr	Thr	Leu	Arg	Asn	Ser	Glu	Met	Lys	Ile	Ser	Met	
		275					280					285				
Glu	Lys	Leu	Leu	Gln	Lys	Thr	Leu	Ser	Pro	Cys	Arg	Ile	Arg	Leu	Ser	
	290					295					300					
Ser	Cys	Cys	Leu	Cys	Tyr											
305					310											

<210> 2313
 <211> 120
 <212> PRT
 <213> Mus musculus

Met	Gly	Gln	Ser	Asn	Asn	Val	Thr	Glu	Phe	Val	Leu	Leu	Gly	Phe	Thr	
1				5					10					15		
Gln	Asp	Pro	Ala	Gly	Gln	Lys	Ala	Leu	Ser	Val	Met	Phe	Ser	Leu	Ile	
			20					25					30			
Tyr	Ile	Val	Thr	Met	Val	Gly	Asn	Leu	Leu	Ile	Val	Gly	Thr	Val	Ile	
		35				40						45				
Ala	Ser	Pro	Ser	Leu	Gly	Ser	Pro	Met	Tyr	Phe	Phe	Leu	Ala	Ser	Leu	
	50					55					60					
Ser	Leu	Met	Asp	Ala	Ile	Tyr	Ser	Thr	Ala	Ile	Thr	Pro	Lys	Leu	Ile	
65					70					75					80	
Val	Asp	Leu	Leu	Cys	Glu	Lys	Lys	Thr	Ile	Ser	Phe	Arg	Ala	Cys	Ile	
				85				90						95		
Ser	Gln	Leu	Phe	Ile	Asp	His	Leu	Phe	Gly	Gly	Val	Asp	Ile	Val	Ile	
			100					105					110			
Leu	Leu	Ala	Met	Ala	Leu	Asp	Arg									
		115					120									

<210> 2314
 <211> 312
 <212> PRT
 <213> Mus musculus

Met	Glu	Arg	Val	Asn	Gln	Ser	Val	Val	Ser	Glu	Phe	Val	Phe	Leu	Gly	
1				5					10					15		
Leu	Thr	Asn	Ser	Trp	Ser	Ile	Gln	Leu	Phe	Leu	Phe	Val	Phe	Ser	Ser	
			20					25					30			
Thr	Phe	Tyr	Val	Ala	Ser	Met	Met	Gly	Asn	Ser	Leu	Ile	Val	Phe	Thr	
		35				40						45				
Val	Ala	Ser	Asp	Pro	His	Leu	His	Ser	Pro	Met	Tyr	Phe	Leu	Leu	Ala	
	50					55				60						
Asn	Leu	Ser	Phe	Ile	Asp	Leu	Gly	Val	Ser	Ser	Val	Thr	Ser	Pro	Lys	
65					70					75					80	
Met	Ile	Tyr	Asp	Leu	Phe	Arg	Lys	His	Lys	Val	Ile	Ser	Phe	Thr	Gly	

				85					90					95			
Cys	Val	Thr	Gln	Ile	Phe	Phe	Ile	His	Val	Ile	Gly	Gly	Val	Glu	Met		
			100					105					110				
Val	Leu	Leu	Ile	Ala	Met	Ala	Phe	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys		
		115					120					125					
Pro	Leu	His	Tyr	Leu	Thr	Ile	Met	Ser	Pro	Arg	Met	Cys	Ile	Leu	Phe		
	130					135					140						
Ser	Val	Thr	Ala	Trp	Val	Val	Gly	Leu	Met	His	Ser	Leu	Ile	Gln	Leu		
145				150						155				160			
Ala	Phe	Val	Val	Asn	Leu	Pro	Phe	Cys	Gly	Pro	Asn	Val	Leu	Asp	Ser		
				165					170					175			
Phe	Tyr	Cys	Asp	Leu	Pro	Arg	Phe	Ile	Lys	Leu	Ala	Cys	Ile	Asn	Thr		
			180					185					190				
Tyr	Gln	Leu	Glu	Leu	Met	Val	Thr	Ala	Asn	Ser	Gly	Phe	Ile	Ser	Val		
		195					200					205					
Gly	Ser	Phe	Phe	Ile	Leu	Ile	Ile	Ser	Tyr	Ile	Val	Ile	Ile	Ile	Thr		
	210					215					220						
Val	Gln	Lys	His	Ser	Ser	Ser	Gly	Ser	Ser	Lys	Ala	Leu	Ser	Thr	Leu		
225					230					235					240		
Ser	Ala	His	Ile	Ser	Val	Val	Phe	Leu	Phe	Phe	Gly	Pro	Leu	Ile	Phe		
				245					250					255			
Phe	Tyr	Thr	Trp	Pro	Ser	Pro	Ser	Thr	His	Leu	Asp	Lys	Phe	Leu	Ala		
			260					265					270				
Ile	Phe	Asp	Ala	Val	Ile	Thr	Pro	Phe	Leu	Asn	Pro	Ile	Ile	Tyr	Thr		
		275					280					285					
Phe	Arg	Asn	Gln	Glu	Met	Lys	Val	Ala	Met	Lys	Arg	Val	Cys	Arg	Gln		
	290					295					300						
Leu	Val	Ser	Tyr	Arg	Lys	Ala	Ser										
305					310												

<210> 2315

<211> 320

<212> PRT

<213> Mus musculus

<400> 2315

Met	Asp	Gly	Gly	Asn	His	Ser	Met	Val	Ser	Glu	Phe	Leu	Leu	Leu	Gly		
1				5					10					15			
Leu	Thr	Asn	Ser	Trp	Arg	Ile	Gln	Ile	Leu	Leu	Phe	Leu	Phe	Phe	Thr		
		20					25						30				
Val	Phe	Tyr	Val	Ala	Ser	Met	Leu	Gly	Asn	Leu	Leu	Ile	Val	Leu	Thr		
		35					40					45					
Ile	Ile	Ser	Asp	His	His	Leu	His	Ser	Pro	Met	Tyr	Phe	Leu	Leu	Ala		
	50					55					60						
Asn	Leu	Ser	Phe	Ile	Asp	Thr	Gly	Val	Ser	Ser	Ile	Ala	Thr	Pro	Lys		
65					70					75					80		
Met	Ile	Tyr	Asp	Leu	Phe	Arg	Lys	His	Lys	Val	Ile	Ser	Leu	Asn	Gly		
				85					90					95			
Cys	Ile	Thr	Gln	Met	Phe	Phe	Ile	His	Thr	Val	Gly	Gly	Thr	Glu	Met		
			100					105					110				
Val	Leu	Leu	Ile	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Ile	Ala	Ile	Cys	Lys		
		115					120					125					
Pro	Leu	His	Tyr	Leu	Thr	Ile	Met	Ser	Leu	Arg	Met	Cys	Ile	Val	Leu		
	130					135					140						
Leu	Ala	Leu	Ala	Trp	Ile	Ile	Gly	Leu	Ile	His	Ser	Val	Ala	Gln	Leu		
145				150						155				160			
Ala	Phe	Val	Val	Asn	Leu	Pro	Phe	Cys	Gly	Ala	Asn	Lys	Met	Asp	Ser		
				165					170					175			

Phe	Tyr	Cys	Asp	Phe	Pro	Arg	Phe	Ile	Lys	Leu	Ala	Cys	Thr	Asp	Thr
			180					185					190		
Tyr	Arg	Leu	Glu	Phe	Leu	Val	Ala	Ala	Asn	Ser	Gly	Phe	Ile	Ser	Met
		195					200					205			
Ala	Thr	Phe	Phe	Ile	Leu	Ile	Val	Ser	Tyr	Ile	Phe	Ile	Leu	Val	Thr
	210					215					220				
Val	Arg	Lys	His	Ser	Ser	Gly	Ala	Ser	Ser	Lys	Ala	Leu	Ser	Thr	Leu
225					230					235					240
Ser	Ala	His	Ile	Thr	Val	Val	Val	Phe	Phe	Phe	Gly	Pro	Cys	Ile	Ile
			245					250						255	
Val	Tyr	Val	Trp	Pro	Phe	Pro	Thr	Leu	Pro	Ile	Asp	Lys	Phe	Leu	Ala
		260						265					270		
Ile	Phe	Asp	Val	Ile	Ile	Thr	Pro	Phe	Met	Asn	Pro	Leu	Ile	Tyr	Thr
		275					280					285			
Leu	Arg	Asn	Asn	Glu	Met	Lys	Val	Ala	Met	Arg	Arg	Leu	Phe	Ile	Arg
	290					295					300				
Ala	Leu	His	Phe	Lys	Asn	Phe	Phe	Ile	Ser	Ser	Leu	Arg	Asp	Leu	Ser
305					310					315					320

<210> 2316

<211> 294

<212> PRT

<213> Mus musculus

<220>

<221> CONFLICT

<222> (59)...(107)

<223> Any amino acid

<400> 2316

Met	Asp	Gly	Glu	Asn	His	Thr	Val	Val	Ser	Glu	Phe	Val	Phe	Leu	Gly
1				5					10					15	
Leu	Thr	His	Ser	Trp	Glu	Ile	Gln	Leu	Leu	Leu	Leu	Val	Leu	Ser	Ser
			20					25				30			
Val	Leu	Tyr	Ile	Leu	Ser	Met	Ala	Gly	Asn	Ile	Leu	Ile	Val	Phe	Ser
		35				40					45				
Val	Thr	Ile	Asp	Pro	His	Leu	His	Ser	Pro	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa
	50					55				60					
Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa
65					70				75						80
Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa
				85					90					95	
Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Ile	Cys	Lys	Pro	Leu
			100					105				110			
His	Tyr	Leu	Thr	Ile	Met	Ser	Pro	Arg	Val	Cys	Val	Leu	Phe	Leu	Gly
		115					120					125			
Ala	Ala	Trp	Gly	Leu	Gly	Ile	Ser	His	Ser	Leu	Phe	Gln	Leu	Ala	Phe
		130				135					140				
Leu	Ile	Asp	Leu	Pro	Phe	Cys	Gly	Pro	Asn	Val	Leu	Asp	Ser	Phe	Tyr
145					150					155					160
Cys	Asp	Leu	Pro	Arg	Leu	Leu	Arg	Leu	Ala	Cys	Lys	Asp	Thr	Tyr	Lys
				165					170					175	
Leu	Gln	Phe	Met	Val	Thr	Ile	Asn	Ser	Gly	Phe	Ile	Cys	Val	Gly	Ser
			180					185					190		
Phe	Leu	Leu	Leu	Leu	Ile	Ser	Tyr	Ile	Phe	Ile	Leu	Phe	Ser	Val	Trp
		195					200					205			
Lys	His	Ser	Ser	Gly	Gly	Ser	Ser	Lys	Ala	Leu	Ser	Thr	Leu	Ser	Ala
	210					215					220				

<210> 2318
 <211> 327
 <212> PRT
 <213> Mus musculus

<400> 2318
 Met Glu Arg Leu Thr Ala Glu Glu Thr Arg Asn Gly Thr Trp Val Gln
 1 5 10 15
 Glu Phe Val Leu Glu Gly Phe Pro Val Ala Glu His Leu Arg Ile Leu
 20 25 30
 Phe Phe Leu Met His Leu Leu Ala Tyr Leu Ala Ser Leu Met Gly Asn
 35 40 45
 Thr Leu Ile Ile Ser Ile Thr Cys Leu Asp His Arg Leu Gln Thr Pro
 50 55 60
 Met Tyr Phe Phe Leu Ser Thr Phe Ser Phe Val Glu Cys Cys Phe Ile
 65 70 75 80
 Thr Thr Val Ile Pro Gln Leu Leu Ala Ile Phe Leu Ser Gly Arg Gln
 85 90 95
 Thr Ile Ser Phe Val Ala Cys Phe Thr Gln Ala Phe Phe Phe Leu Phe
 100 105 110
 Leu Gly Ala Thr Val Phe Tyr Leu Leu Ala Val Leu Ser Leu Asp Arg
 115 120 125
 Tyr Leu Ala Ile Cys Lys Pro Leu His Tyr Pro Thr Ile Met Ser Pro
 130 135 140
 Arg Met Cys Phe Leu Leu Val Thr Val Cys Leu Ala Leu Gly Phe Leu
 145 150 155 160
 Phe Met Ala Gly Pro Val Val Met Leu Ser Gln Ser Ser Tyr Cys Gly
 165 170 175
 Pro Asn Val Ile Pro His Phe Phe Cys Asp Phe Gly Pro Leu Ala Asn
 180 185 190
 Leu Ser Cys Leu Asp Thr Arg Ser Val Glu Met Leu Phe Phe Asn Leu
 195 200 205
 Ala Leu Ile Val Leu Phe Gly Ser Leu Leu Val Ala Ile Phe Ala Tyr
 210 215 220
 Ser Asn Ile Val Val Thr Ile Val Gly Leu Pro Ser Ala Arg Glu Gln
 225 230 235 240
 Gln Arg Ala Phe Ser Thr Cys Ser Ser His Leu Ile Val Leu Ser Leu
 245 250 255
 Met Tyr Gly Ser Cys Val Phe Ile Tyr Met Lys Pro Lys Gln Thr Ser
 260 265 270
 Arg Leu Asp Thr Asn Arg Glu Ala Ala Leu Val Asn Thr Val Val Thr
 275 280 285
 Pro Leu Leu Asn Pro Val Ile Tyr Thr Leu Arg Asn Lys Gln Val His
 290 295 300
 Gln Ala Leu Arg Asp Ala Leu Ser Arg Val Lys Leu Pro Arg Phe Gln
 305 310 315 320
 Arg Ser Asn Ala Pro Ser Leu
 325

<210> 2319
 <211> 69
 <212> PRT
 <213> Mus musculus

<400> 2319

<210> 2321
 <211> 288
 <212> PRT
 <213> Mus musculus

<220>
 <221> VARIANT
 <222> (117)...(124)
 <223> Any amino acid

<221> VARIANT
 <222> (126)...(134)
 <223> Any amino acid

<400> 2321
 Met Arg Glu Asn Met Thr Trp Val Ser Glu Phe Ile Leu Met Gly Leu
 1 5 10 15
 Thr Ser Asp Lys Asn Ile Gln Ala Gly Leu Phe Val Leu Phe Gly Val
 20 25 30
 Thr Tyr Leu Leu Thr Leu Leu Gly Asn Gly Leu Ile Val Leu Leu Ile
 35 40 45
 Ala Leu Asp Pro Arg Leu His Leu Pro Met Tyr Phe Phe Leu Cys His
 50 55 60
 Leu Ser Val Val Asp Ile Cys Tyr Thr Ser Ser Gly Val Pro Gln Met
 65 70 75 80
 Leu Ala His Phe Leu Met Glu Lys Lys Thr Ile Ser Phe Ala Leu Cys
 85 90 95
 Gly Thr Gln Leu Phe Phe Ala Leu Thr Leu Gly Gly Thr Glu Phe Leu
 100 105 110
 Leu Leu Ala Xaa Xaa Xaa Xaa Xaa Xaa Xaa Phe Xaa Xaa Xaa
 115 120 125
 Xaa Xaa Xaa Xaa Xaa Xaa Thr Ala Val Thr Met Cys Leu Pro Thr Cys
 130 135 140
 Gly His Asn Val Leu Asn His Val Ala Cys Glu Thr Leu Thr Leu Val
 145 150 155 160
 Arg Leu Ala Cys Val Asp Ile Thr Leu Asn Gln Val Val Ile Leu Ala
 165 170 175
 Ser Ser Val Val Val Leu Met Ile Pro Cys Ser Leu Val Ser Leu Ser
 180 185 190
 Tyr Ala His Ile Val Ala Ala Ile Met Lys Ile His Ser Thr Gln Gly
 195 200 205
 Arg Arg Lys Ala Phe Glu Thr Cys Ala Ser His Leu Thr Val Val Ser
 210 215 220
 Met Ser Tyr Gly Met Ala Leu Phe Thr Tyr Leu Gln Pro Ala Ser Thr
 225 230 235 240
 Ala Ser Ala Glu Gln Asp Lys Val Val Val Ile Phe Tyr Ala Leu Val
 245 250 255
 Thr Pro Met Met Asn Pro Leu Ile Tyr Ser Leu Arg Asn Lys Asp Val
 260 265 270
 Lys Ala Ala Phe Arg Arg Val Leu Met Lys Asn Ile Glu Ser Lys Asn
 275 280 285

<210> 2322
 <211> 297
 <212> PRT
 <213> Mus musculus

<220>
 <221> VARIANT
 <222> (105)...(111)
 <223> Any amino acid

<400> 2322

Met	Gly	Lys	Asp	Asn	Gln	Thr	Trp	Ile	His	Glu	Phe	Ile	Leu	Leu	Gly
1				5					10					15	
Leu	Ser	Ser	Asp	Trp	Asn	Thr	Glu	Val	Ser	Leu	Phe	Val	Leu	Phe	Leu
			20					25					30		
Leu	Met	Tyr	Leu	Val	Thr	Val	Leu	Gly	Asn	Phe	Leu	Ile	Ile	Val	Leu
		35					40					45			
Ile	Arg	Leu	Asp	Ser	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Thr
	50					55					60				
Asn	Leu	Ser	Leu	Val	Asp	Val	Ser	Tyr	Ala	Thr	Ser	Ile	Val	Pro	Gln
65					70					75					80
Leu	Leu	Ala	His	Phe	Leu	Ala	Thr	His	Lys	Thr	Ile	Pro	Phe	Leu	Ser
				85					90					95	
Cys	Ala	Ala	Gln	Leu	Phe	Phe	Ser	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Tyr
			100					105					110		
Ser	Ala	Ile	Met	His	Thr	Gly	Leu	Cys	Ser	Arg	Met	Ala	Ile	Val	Ser
		115					120					125			
Trp	Val	Gly	Gly	Ser	Ile	Asn	Ser	Val	Met	Gln	Thr	Ala	Ile	Thr	Phe
	130					135					140				
Gln	Leu	Pro	Met	Cys	Thr	Asn	Val	Tyr	Ile	Asp	His	Ile	Ser	Cys	Glu
145					150					155					160
Leu	Leu	Ala	Val	Val	Arg	Leu	Ala	Cys	Val	Asp	Thr	Ser	Ala	Asn	Glu
				165					170					175	
Val	Ala	Ile	Met	Val	Ser	Ser	Ile	Ile	Leu	Leu	Met	Thr	Pro	Phe	Cys
			180					185					190		
Leu	Val	Leu	Leu	Ser	Tyr	Ile	Gln	Ile	Ile	Ser	Thr	Ile	Leu	Lys	Ile
		195					200					205			
Gln	Ser	Lys	Glu	Gly	Arg	Lys	Lys	Ala	Phe	His	Thr	Cys	Ala	Ser	His
	210					215					220				
Leu	Thr	Val	Val	Ala	Leu	Cys	Tyr	Gly	Met	Ala	Ile	Phe	Thr	Tyr	Ile
225					230					235					240
Gln	Pro	His	Ser	Ser	Pro	Ser	Val	Leu	Gln	Glu	Lys	Leu	Ile	Ser	Leu
				245					250					255	
Phe	Tyr	Ala	Ile	Leu	Thr	Pro	Met	Leu	Asn	Pro	Met	Ile	Tyr	Ser	Leu
			260					265					270		
Arg	Asn	Lys	Glu	Val	Lys	Gly	Ala	Trp	Gln	Lys	Leu	Leu	Gly	Gln	Phe
		275					280					285			
Ser	Glu	Phe	Thr	Ser	Lys	Leu	Lys	Thr							
	290					295									

<210> 2323
 <211> 145
 <212> PRT
 <213> Mus musculus

<400> 2323

Met	Val	Met	Ser	Ala	Arg	Asn	Asn	Pro	Asp	Leu	Thr	Pro	Ala	Ser	Phe
1				5					10					15	
Val	Leu	Asn	Gly	Ile	Pro	Gly	Leu	Glu	His	Met	His	Ile	Trp	Ile	Ser
			20					25					30		
Phe	Pro	Phe	Cys	Ser	Met	Tyr	Ala	Val	Ala	Met	Met	Gly	Asn	Cys	Gly
		35					40					45			
Leu	Leu	Tyr	Leu	Ile	Phe	Phe	Glu	Asp	Ser	Leu	His	Arg	Pro	Met	Tyr

50		55		60
Tyr Phe Leu Ala Met	Leu Ser Leu Thr Asp	Leu Val Met Cys Ser Ser		
65	70	75	80	
Thr Ile Pro Lys Ala	Leu Cys Ile Phe Trp	Phe His Leu Lys Glu Ile		
	85	90	95	
Gly Phe Asp Asp Cys	Leu Val Gln Met Phe	Phe Ile His Thr Phe Met		
	100	105	110	
Gly Met Glu Ser Gly	Val Leu Met Leu Met	Ala Leu Asp His Tyr Val		
	115	120	125	
Ala Ile Cys Tyr Pro	Leu His Tyr Ser Thr	Ile Leu Thr Asn Pro Ile		
	130	135	140	
Ile				
145				

<210> 2324
 <211> 215
 <212> PRT
 <213> Mus musculus

<400> 2324

Leu Lys Lys Asn His	Ile Arg Val Thr Lys	Pro Ile Leu Leu Gly Phe
1	5	10
Thr Asn Asn Ser Glu	Ile Gln Ile Ser Leu	Phe Val Phe Phe Leu Ala
	20	25
Ile Tyr Leu Val Ala	Leu Leu Gly Asn Phe	Leu Ala Phe Thr Ile Asn
	35	40
Arg Val Asp Pro Thr	Leu Gln Thr His Lys	Tyr Phe Tyr Leu Gln Asn
	50	55
Leu Ser Gln Leu Glu	Val Cys Phe Thr Leu	Val Met Ile Pro Lys Met
65	70	75
Leu Val Asp Leu Arg	Lys Val Ile Ser Phe	Trp Gly Cys Gly Ile Arg
	85	90
Val Cys Ser Phe Phe	Phe Pro Pro Ser Ile	Ser Ser Ser Ser Ser Ala
	100	105
Leu Met Met Ala Leu	Pro Phe Ser Val Cys	Val Cys Met Cys Val Cys
	115	120
Val Asp Leu Val Thr	Asp Ala Ser Ala Cys	Ile Leu Phe Ser Ser Ser
	130	135
Cys Phe Thr Phe Ile	Ile Val Ser Tyr Val	His Ile Ala Gly Thr Thr
145	150	155
Leu Arg Met Ser Phe	Ala Thr Asp Gly Gln	Lys Ala Phe Phe Ile Cys
	165	170
Leu Leu Tyr Leu Thr	Val Ile Tyr Tyr Phe	Tyr Val Thr Ala Asn Leu
	180	185
Thr Tyr Arg Thr Ser	Ser Asn Ser Ser Glu	Ser Ser Ser Leu Ser Tyr
	195	200
Thr Val Phe Met Ser	Met Leu	
	210	215

<210> 2325
 <211> 216
 <212> PRT
 <213> Mus musculus

<400> 2325

Ile Lys Ala Lys Ile	Glu Glu Glu Asn Thr	Thr Glu Ile Thr Gln Phe
1	5	10

Ile	Cys	Leu	Gly	Phe	Ser	Asp	Ser	Pro	Glu	Ile	Thr	Glu	Leu	Leu	Phe
			20					25					30		
Val	Leu	Ile	His	Thr	Trp	Asn	Met	Ser	Phe	Ile	Val	Leu	Ile	Arg	Met
		35					40					45			
Asp	Ser	His	Leu	His	Thr	Pro	Ser	Ile	Ser	Phe	Lys	Glu	Ile	Tyr	Tyr
	50					55					60				
Ile	Ser	Ser	Ala	Ile	Glu	Ser	Met	Leu	Ser	Lys	Phe	Phe	Gln	Glu	Lys
65					70					75					80
Gln	Thr	Ile	Ser	Phe	Val	Gly	Tyr	Met	Val	Tyr	Phe	Ile	Phe	Phe	Thr
				85					90					95	
Arg	Val	Leu	Ser	Glu	Ser	Phe	Leu	Val	Thr	Ala	Met	Ala	Tyr	Asp	Lys
			100					105					110		
Tyr	Ala	Ile	Ile	Cys	Asn	Pro	Thr	Ala	Leu	Ser	Pro	Ile	Met	Leu	Pro
		115					120					125			
Thr	Leu	Cys	Ala	Trp	Val	Met	Val	Glu	Ser	Tyr	Val	Thr	Thr	Asn	Ser
	130					135					140				
Ser	Ser	Leu	Pro	Gln	Ile	Cys	Thr	Leu	Leu	Gln	Leu	Tyr	Phe	Cys	Gly
145					150					155					160
Leu	Asn	Ile	Asn	Arg	Arg	Phe	Phe	Cys	Asp	Met	Pro	Gln	Leu	Leu	Asn
				165					170					175	
Leu	Ser	Tyr	Thr	Asp	Lys	Phe	Phe	Val	Gln	Phe	Leu	Leu	Ala	Ile	Phe
			180					185					190		
Thr	Arg	Leu	Phe	Arg	Ile	Val	Asn	Ala	Leu	Leu	Ile	Ser	Ile	Ala	Tyr
		195					200					205			
Asp	Tyr	Val	Ala	Ile	Ser	Val	Val								
	210					215									

<210> 2326

<211> 315

<212> PRT

<213> Mus musculus

<400> 2326

Met	Glu	Gly	Met	Ala	Ala	Arg	Asn	His	Cys	Val	Val	Thr	Glu	Phe	Phe
1				5					10					15	
Leu	Ala	Gly	Leu	Ser	Asn	Lys	Gln	Glu	Leu	Gln	Leu	Pro	Leu	Phe	Leu
		20						25					30		
Leu	Phe	Ile	Arg	Phe	Tyr	Val	Val	Thr	Val	Thr	Gly	Asn	Leu	Ser	Ile
		35					40					45			
Ile	Thr	Leu	Ile	Gly	Leu	Asn	Ser	His	Leu	Pro	Thr	Pro	Met	Tyr	Tyr
	50					55					60				
Phe	Leu	Ser	Ser	Leu	Ser	Phe	Ile	Asp	Phe	Cys	Gln	Ser	Thr	Val	Val
65					70					75					80
Thr	Pro	Lys	Met	Pro	Val	Asn	Phe	Met	Val	Glu	Lys	Asn	Ile	Ile	Ile
			85						90					95	
Ser	Tyr	Leu	Gly	Cys	Met	Thr	Gln	Leu	Tyr	Cys	Phe	Leu	Ile	Phe	Gly
			100					105					110		
Ile	Ala	Glu	Gly	Tyr	Thr	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Pro	Phe	Val
		115					120					125			
Ala	Ile	Cys	Asn	Pro	Leu	Leu	Tyr	Asn	Ala	Thr	Met	Ser	Ser	Gln	Ile
	130					135					140				
Tyr	Thr	Ser	Leu	Ile	Phe	Ser	Val	Tyr	Ile	Phe	Ala	Val	Phe	Cys	Ile
145					150					155					160
Ser	Thr	His	Val	Gly	Phe	Met	Phe	Arg	Ile	Lys	Phe	Cys	Lys	Leu	Asp
				165					170					175	
Val	Ile	Asn	His	Tyr	Phe	Cys	Asp	Leu	Leu	Pro	Leu	Leu	Lys	Arg	Ala
		180					185						190		
Cys	Ser	Asp	Thr	Tyr	Ile	Asn	Glu	Met	Leu	Ile	Gln	Tyr	Phe	Gly	Thr

<210> 2328
 <211> 183
 <212> PRT
 <213> Mus musculus

<400> 2328
 Pro Leu Leu Tyr Ser Ser Ile Met Ser Gln His Lys Cys Leu Ser Leu
 1 5 10 15
 Val Leu Val Val Tyr Ile Ile Gly Ile Ile Cys Ala Ser Ala His Val
 20 25 30
 Gly Cys Ile Phe Arg Val Asp Phe Cys Arg Phe Asp Val Ile Asn His
 35 40 45
 Cys Phe Cys Asp Leu Ile Ser Ile Leu Lys Leu Ser Cys Ser Asn Ile
 50 55 60
 Phe Val Asn Glu Leu Leu Ile Leu Ile Phe Ser Leu Ile Asn Thr Ile
 65 70 75 80
 Phe Pro Thr Leu Thr Ile Leu Ile Ser Tyr Thr Phe Ile Ile Ile Ser
 85 90 95
 Ile Leu Arg Ile Lys Ser Thr Glu Gly Arg Ser Lys Ala Phe Ser Thr
 100 105 110
 Cys Ser Ser Leu Ile Ser Ala Val Phe Phe Gly Ser Ala Ala
 115 120 125
 Phe Met Tyr Leu Lys Pro Ser Ser Ser Ser Ser Ile Asn Glu Gly Lys
 130 135 140
 Ile Cys Ser Ile Phe Tyr Thr Ile Phe Val Pro Met Leu Asn Pro Leu
 145 150 155 160
 Ile Tyr Ser Leu Arg Asn Lys Asp Val Asn Ile Ala Val Lys Lys Ile
 165 170 175
 Ile Glu Arg Arg Ser Phe Phe
 180

<210> 2329
 <211> 307
 <212> PRT
 <213> Mus musculus

<400> 2329
 Phe Ile Lys Gln Arg Lys Ile Glu Val Gly Asn Cys Ser Thr Thr Glu
 1 5 10 15
 Phe Leu Leu Leu Gly Ile Thr Asn Lys Pro Lys Ile Lys Val Ile Leu
 20 25 30
 Phe Asn Ser Phe Leu Val Tyr Leu Ile Ile Leu Phe Glu Asn Leu Gly
 35 40 45
 Met Ile Ile Leu Ile Arg Met Asn Thr Lys Leu His Thr Leu Met Tyr
 50 55 60
 Tyr Phe Leu Ser Gln Leu Ser Phe Ser Asp Ile Ser Tyr Ser Thr Ala
 65 70 75 80
 Phe Gly Pro Lys Met Met Asn Ser Leu Gln Leu Pro Cys Ile Cys Ser
 85 90 95
 Val Phe Phe Ile Ser Asn Ile Phe Thr Asp Ala Glu Cys Ile Met Leu
 100 105 110
 Ala Val Met Thr Leu Asp Arg Tyr Asn Ala Ile Ser Asn Pro Leu Met
 115 120 125
 Tyr Ala Ala Asp Met Ser Gln Val Val Cys Ser Arg Leu Leu Ala Val
 130 135 140
 Val Tyr Leu Phe Gly Met Val Asp Ala Leu Ile His Thr Ile Leu Thr

145					150					155				160
Phe	His	Leu	Cys	Phe	Cys	Gly	Phe	Lys	Glu	Ile	Asn	His	Phe	Phe Cys
				165					170					175
Asp	Ile	Pro	Pro	Leu	Leu	Ser	Leu	Phe	Ser	Ser	Asp	Ile	Glu	Val Asn
			180					185					190	
Glu	Leu	Asp	Ile	Phe	Ile	Leu	Cys	Glu	Phe	Thr	Lys	Met	Ser	Thr Ile
		195					200					205		
Ser	Val	Leu	Val	Phe	Tyr	Cys	Tyr	Ile	Ile	Ser	Leu	Val	Leu	Lys Ile
	210					215					220			
Cys	Ser	Ala	Glu	Gly	Arg	Phe	Lys	Ala	Val	Ser	Thr	Cys	Thr	Ser His
225					230					235				240
Pro	Thr	Thr	Ala	Val	Ala	Ile	Phe	Gln	Gly	Met	Met	Ser	Ile	Met Tyr
			245						250					255
Phe	Gln	Pro	Ser	Ala	Tyr	Ser	Leu	His	Gln	Asp	Lys	Met	Thr	Ser
		260					265					270		
Leu	Phe	Tyr	Thr	Leu	Val	Ile	Phe	Met	Leu	Asn	Ala	Val	Ile	Tyr Ser
		275				280					285			
Leu	Arg	Asn	Glu	Asp	Val	Lys	Ala	Ser	Val	Lys	Ser	Leu	Lys	Ser Arg
	290					295					300			
Ile	Ser	Asp												
305														

<210> 2330
 <211> 349
 <212> PRT
 <213> Mus musculus

<400> 2330

Met	Glu	Met	Glu	Asn	Val	Thr	Leu	Leu	Thr	Val	Phe	Leu	Ile	Glu	His
1				5					10					15	
Gln	Pro	Gln	Trp	Lys	Leu	Pro	Leu	Phe	Leu	Ser	Leu	Phe	Val	Ile	Asn
			20					25					30		
Leu	Ile	Ser	Asn	Ala	Trp	Tyr	Phe	Ser	Leu	Ile	Asn	Phe	Trp	Asp	Asp
		35					40				45				
Thr	His	Phe	His	Ile	Pro	Met	Tyr	Leu	Phe	Leu	Ser	Asn	Ser	Pro	Phe
	50					55					60				
Val	Asn	Ser	Trp	Leu	Pro	Ser	Glu	Leu	Leu	Ile	Thr	Phe	Ser	Leu	Ser
65					70					75				80	
Leu	Ser	Val	Ser	Pro	Ser	Val	Ser	Val	Ser	Val	Ser	Leu	Ser	Val	Ser
			85						90					95	
Val	Ser	Pro	Cys	Leu	Phe	Leu	Ser	Leu	Ser	Val	Cys	Leu	Ser	Leu	Ser
			100					105					110		
Leu	Ser	Val	Ser	Leu	Cys	Leu	Ser	Leu	Ser	Leu	Thr	Leu	Ser	Leu	Ser
		115					120					125			
Leu	Cys	Leu	Ser	Leu	Ser	Leu	Ser	Leu	Ser	Leu	Ser	Leu	Ser	Leu	Ser
	130					135					140				
Val	Ser	Leu	Ser	Pro	Ser	Leu	Arg	Pro	Ile	Cys	Cys	Phe	Pro	Phe	Ser
145					150					155					160
Val	Ser	Val	Lys	Cys	Phe	Phe	Thr	Pro	Arg	Ala	Arg	Asp	Cys	Tyr	Ile
			165						170					175	
Ala	Ile	Cys	Lys	Pro	Leu	Leu	Tyr	Pro	Ile	Ile	Met	Thr	Asn	Ser	Gln
			180					185					190		
Cys	Phe	His	Leu	Glu	Ile	Phe	Ser	Pro	Glu	Gly	Gly	Phe	Leu	His	Val
		195					200					205			
Leu	Thr	Tyr	Glu	Ile	Phe	Leu	Phe	Arg	Ile	Thr	Phe	Cys	Asn	Ser	Asn
	210					215					220				
Val	Ile	Tyr	His	Phe	Tyr	Cys	Asp	Val	Ile	Phe	Phe	Phe	Phe	Phe	Lys
225					230					235					240

Ile	Ser	Cys	Ser	Asp	Ser	Ser	Ile	Ser	Phe	Leu	Leu	Met	Phe	Gly	Leu
				245					250					255	
Ala	Asp	Thr	Gly	Trp	Arg	Ser	Thr	Ile	Val	Ser	Val	Leu	Gly	Phe	Tyr
			260					265					270		
Ile	Ile	Leu	Phe	Thr	Leu	Leu	Leu	Ser	Lys	Cys	Phe	Lys	Gly	Ile	Lys
		275					280					285			
Lys	Ala	Phe	Ser	Thr	Cys	Gly	Ala	His	Val	Leu	Cys	Ala	Ser	Leu	Tyr
	290					295					300				
Tyr	Gly	Pro	Leu	Phe	Met	Tyr	Val	Arg	Leu	Ala	Ser	Arg	Tyr	Ala	Asp
305					310					315					320
Ala	Glu	Ile	Asp	Ser	Leu	Phe	Tyr	Thr	Val	Ile	Val	Thr	Met	Leu	Asn
				325					330					335	
Ile	Ile	Ile	Tyr	Ser	Ile	Lys	Lys	Gln	Ile	Ile	Asp	Ser			
			340					345							

<210> 2331

<211> 298

<212> PRT

<213> Mus musculus

<400> 2331

Met	Glu	His	Ser	Asn	Asp	Ser	Lys	Val	Thr	Glu	Phe	Ile	Leu	Leu	Gly
1				5					10					15	
Phe	Ala	Gly	Gln	Asn	Glu	Ser	Trp	His	Ile	Leu	Phe	Ala	Val	Phe	Leu
			20					25					30		
Val	Ile	Tyr	Val	Ala	Thr	Leu	Val	Gly	Asn	Ile	Gly	Met	Ile	Leu	Leu
		35					40					45			
Ile	Lys	Leu	His	Ser	Ser	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Gln
	50					55					60				
His	Leu	Ala	Phe	Val	Asp	Leu	Cys	Tyr	Ser	Tyr	Ala	Ile	Thr	Pro	Ser
65					70					75					80
Asp	Thr	Gly	Ala	Leu	Gln	Asn	Phe	Met	Ser	Thr	Arg	Pro	Ser	Phe	Pro
				85					90					95	
Phe	Thr	Gly	Trp	Thr	Met	Gln	Leu	Tyr	Ile	Tyr	Gly	Ile	Phe	Ile	Asn
			100					105					110		
Ser	Asp	Phe	Ile	Leu	Ala	Ala	Arg	Ala	Val	Asp	Ser	Tyr	Val	Ala	Ile
		115					120					125			
Cys	Asn	Pro	Leu	His	Cys	Pro	Ile	Ile	Met	Ser	Gln	Arg	Trp	His	Ser
	130					135					140				
Gly	Ala	Ser	Val	Asn	Thr	Gly	Phe	Thr	Phe	Tyr	Asn	Phe	Cys	Arg	Ser
145					150					155					160
Asn	Ala	Ile	Asn	His	Phe	Phe	Cys	Asn	Val	Pro	Pro	Ile	Leu	Thr	Pro
				165					170					175	
Ser	Cys	Ser	Ser	Thr	Asp	Phe	Asn	Ile	Val	Leu	Leu	Thr	Val	Phe	Val
			180					185					190		
Gly	Phe	Asn	Phe	Ile	Phe	Ser	Val	Ser	Val	Val	Ile	Leu	Ser	Tyr	Thr
		195					200					205			
His	Ile	Leu	Ala	Ala	Ile	Leu	Arg	Met	Phe	Ser	Ala	Ala	Gly	Arg	Ile
	210					215					220				
Lys	Ala	Phe	Ser	Thr	Cys	Val	Thr	His	Val	Thr	Thr	Ile	Thr	Ile	Leu
225					230					235					240
Phe	Arg	Thr	Val	Cys	Tyr	Met	Tyr	Val	Leu	His	Gly	Ile	Asn	Arg	Ser
				245					250					255	
Gln	Glu	Gln	Lys	Lys	Val	Thr	Tyr	Val	Ser	Tyr	Phe	Ile	Ile	Ile	Pro
			260					265					270		
Met	Leu	Asn	Leu	Leu	Val	Cys	Ser	Val	Arg	Asn	Gln	Asp	Met	Ile	Glu
		275					280					285			
Val	Leu	Arg	His	Ile	Glu	Asn	Lys	Cys	Leu						

290

295

<210> 2332

<211> 194

<212> PRT

<213> Mus musculus

<400> 2332

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Tyr Asp Arg Tyr Leu Ala Ile Cys Gln Pro Leu Trp Arg Tyr Pro Val
 1          5          10          15
Leu Met Ser Ala Lys Leu Ser Thr Leu Leu Val Ala Gly Ala Trp Val
 20          25          30
Ala Gly Leu Ile His Gly Ala Ile Gln Ala Ile Leu Thr Phe Arg Leu
 35          40          45
Pro Tyr Cys Gly Pro Asn Gln Val Asp Tyr Phe Phe Cys Asp Ile Pro
 50          55          60
Ala Val Leu Lys Leu Ala Cys Ala Asp Thr Thr Val Asn Glu Leu Phe
 65          70          75          80
Thr Phe Val Asp Ile Gly Val Val Val Ala Ser Cys Phe Ser Leu Ile
 85          90          95
Leu Leu Ser Tyr Ile Tyr Ile Ile Arg Ala Ile Leu Arg Ile Arg Thr
100          105          110
Ala Asp Gly Arg Arg Arg Ala Phe Ser Thr Cys Gly Ala His Val Thr
115          120          125
Met Val Thr Val Tyr Tyr Val Pro Cys Ala Phe Thr Tyr Leu Arg Pro
130          135          140
Asp Ser His Gly Ile Leu Asp Gly Ala Ala Ala Leu Phe Pro Thr Ala
145          150          155          160
Ile Thr Pro Phe Leu Asn Pro Leu Ile Tyr Thr Leu Arg Asn Gln Glu
165          170          175
Val Lys Leu Ala Leu Arg Arg Met Val Gly Ser Gln Ser Thr Lys Ser
180          185          190
Gly Gly

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<210> 2333

<211> 310

<212> PRT

<213> Mus musculus

<400> 2333

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Val Asn Ile Ser Leu Val Thr Glu Phe Ile Val Val Gly Ala Glu Gln
 1          5          10          15
Pro Asp Leu Gln Ile Pro Met Phe Phe Gly Phe Leu Ala Met Tyr Pro
 20          25          30
Val Thr Ala Leu Glu Asn Leu Phe Leu Ile Ile Leu Thr Val Leu Asn
 35          40          45
Ser His Val His Thr Thr Met Tyr Phe Phe Leu Phe Asn Leu Ser Phe
 50          55          60
Val Val Leu Cys Tyr Ser Ser Val Phe Thr Pro Gln Met Leu Met Asn
 65          70          75          80
Phe Ile Ile Arg Lys Asn Thr Ile Ser Tyr Met Glu Cys Ile Thr Leu
 85          90          95
Phe Phe Leu Ser Phe Phe Leu Ser Phe Phe Leu Ser Phe Phe Leu Ser
100          105          110
Phe Phe Leu Ser Phe Phe Leu Ser Phe Phe Leu Glu Cys Cys Val Leu
115          120          125

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Thr	Ser	Met	Ala	Tyr	Asp	Ser	Ile	Cys	Asn	Pro	Leu	Leu	Tyr	Asn	Leu
	130					135					140				
Phe	Met	Ser	Pro	Lys	Cys	Leu	Asn	Leu	Ile	Leu	Gly	Ser	Phe	Phe	Ile
145					150					155					160
Ser	Phe	Ser	Asp	Ala	Val	Ala	His	Ser	Thr	Cys	Arg	Leu	Lys	Leu	Thr
				165					170					175	
Phe	Cys	Asp	Cys	Asp	Ile	Pro	Pro	Leu	Leu	Gln	Leu	Cys	Cys	Thr	Ser
			180					185					190		
Thr	Tyr	Val	Asn	Glu	Leu	Val	Ile	Phe	Val	Phe	Leu	Val	Gly	Cys	Ile
		195					200					205			
Asn	Ile	Ile	Val	Pro	Ser	Ser	Thr	Ile	Leu	Ile	Ser	Tyr	Asp	Phe	Ile
	210					215					220				
Leu	Ser	Ser	Met	Phe	Cys	Ile	Lys	Ser	Ser	Glu	Gly	Arg	Ser	Lys	Ala
225					230					235					240
Phe	Ser	Thr	Tyr	Ser	Ser	His	Val	Ile	Ser	Leu	Ser	Leu	Phe	Phe	Asp
				245					250					255	
Ser	Ser	Ala	Phe	Val	Tyr	Phe	Lys	Ser	Ser	Ser	Ala	Gly	Ser	Leu	Gly
			260					265					270		
Glu	Glu	Asn	Ile	Ser	Ser	Val	Phe	Tyr	Ser	Asn	Val	Val	Leu	Ile	Val
		275					280					285			
Asn	Pro	Leu	Leu	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Ser	Leu	Arg	Lys	Thr
	290					295					300				
Leu	Thr	Arg	Lys	Asn	Phe										
305					310										

<210> 2334

<211> 320

<212> PRT

<213> Mus musculus

<400> 2334

Ser	Glu	Pro	Asn	Trp	Thr	Val	Pro	Gln	Glu	Phe	Val	Ile	Leu	Gly	Phe
1				5					10					15	
Ser	Gly	Trp	Pro	Gln	Gly	Leu	Arg	Val	Leu	Leu	Phe	Ser	Leu	Leu	Leu
			20					25					30		
Pro	Leu	Tyr	Leu	Ala	Thr	Leu	Ala	Gly	Asn	Leu	Leu	Ile	Leu	Gly	Leu
		35					40					45			
Ala	Leu	Ala	Glu	Pro	Thr	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Gly
	50					55					60				
Ser	Leu	Ser	Ala	Val	Glu	Val	Ala	Tyr	Thr	Leu	Val	Leu	Thr	Pro	Arg
65					70					75					80
Met	Leu	Ala	Gly	Phe	Leu	Leu	Pro	Pro	Gly	Gly	Gln	Ala	Val	Ala	Pro
				85					90					95	
Ser	Thr	Cys	Ala	Ala	Gln	Met	Gly	Leu	Phe	Val	Ala	Leu	Gly	Gly	Ser
			100				105						110		
Glu	Cys	Leu	Leu	Leu	Ala	Ala	Met	Ala	Leu	Asp	Arg	Tyr	Leu	Ala	Ile
		115					120					125			
Cys	Arg	Pro	Leu	Tyr	Tyr	Pro	Leu	Met	Thr	Ser	Gly	Leu	Cys	Trp	Ala
	130					135					140				
Leu	Leu	Ala	Cys	Cys	Cys	Leu	Gly	Gly	Ser	Ile	Leu	Ala	Leu	Gly	Leu
145					150					155					160
Thr	Met	Ala	Ile	Phe	Gln	Leu	Pro	Phe	Cys	His	Gly	Gly	Leu	Val	Asn
				165					170					175	
His	Val	Phe	Cys	Asp	Leu	Pro	Ala	Val	Leu	Val	Leu	Ala	Cys	Gly	Asn
			180					185					190		
Arg	Glu	Leu	Gln	Glu	His	Val	Leu	Ala	Ala	Cys	Met	Leu	Leu	Leu	
		195					200				205				
Val	Leu	Pro	Leu	Ile	Leu	Ile	Leu	Leu	Ser	Tyr	Thr	Arg	Val	Leu	Val

210		215		220
Val Ile Leu Gly Val Gly Asp Ser Ala Gly Arg Arg Lys Ala Phe Asn				
225		230		235
Thr Val Ala Ser His Leu Thr Val Ala Val Leu His Tyr Gly Cys Ala				
	245		250	
Thr Ala Met Tyr Ala Arg Pro Leu Ser Ser Arg Ser Leu Glu Glu Asp				
	260		265	
Lys Leu Val Ser Leu Ile Tyr Ile Asn Leu Thr Pro Leu Leu Tyr Pro				
	275		280	
Ala Ile Tyr Thr Leu Arg Asn Arg Asp Met Gln Gly Ala Leu Gln Arg				
	290		295	
Val Val Ser Gln Arg Thr Met Gly Thr Val Gln Gln Ala Asp Leu Val				
305		310		315
				320

<210> 2335
 <211> 234
 <212> PRT
 <213> Mus musculus

<400> 2335
Met Glu Gln Asn Val Ser Tyr Ser Arg Val Lys Glu Phe Val Cys Glu
1 5 10 15
Gly Leu Thr Asp Ser Ser Pro Lys Ser Val Trp Ser Ser Phe Leu Phe
20 25 30
Leu Val Tyr Thr Ala Thr Gly Leu Gly Ser Leu Leu Ile Met Val Thr
35 40 45
Ala Thr Glu Cys Leu Leu His Thr Pro Ile Phe Ser Leu Ser Val Met
50 55 60
Thr Phe Asp Gln Tyr Met Ala Ile Ser Lys Pro Leu Gln Tyr Val Ser
65 70 75 80
Ile Met Ser Ser Arg Arg Cys Gln Ala His Ile Val Ala Ser Trp Val
85 90 95
Gly Asn Phe Val His Ser Ile Val Gln Ile Ser Leu Leu Leu Pro Leu
100 105 110
Pro Phe Phe Gly Pro Asn Val Val Asp Gly Phe Tyr Cys Asp Val Pro
115 120 125
Gln Ala Leu Lys Leu Thr Cys Thr Ser Thr Phe Ala Leu Glu Val Leu
130 135 140
Met Ile Ala Thr Asn Gly Leu Ile Thr Thr Met Trp Phe Val Phe Leu
145 150 155 160
Leu Val Thr Tyr Leu Ala Thr Leu Met Val Ile His Arg Arg Lys Val
165 170 175
Ile Ser Ser Cys Thr Gln Ile Thr Val Val Thr Leu His Phe Val Thr
180 185 190
Cys Ile Tyr Val Phe Thr Ala Leu Pro Met Asp Arg Ala Val Ser Ile
195 200 205
Thr Phe Thr Val Ile Ile Pro Val Leu Asn Pro Met Ile Cys Thr Leu
210 215 220
Met Ser Ser Gly Phe Leu Ser Leu His Lys
225 230

<210> 2336
 <211> 146
 <212> PRT
 <213> Mus musculus

<400> 2336

<210> 2338

<211> 218

<212> PRT

<213> Mus musculus

<400> 2338

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Lys Pro Pro Ile Lys Thr Phe Arg Lys Lys Ser Asn Gln Ala Lys Arg
 1          5          10          15
Cys Val Leu Phe Ser Glu Phe Pro Asp Phe Gln Trp Phe Leu Ile Gly
 20          25          30
Leu Leu Phe Ile Thr Tyr Ser Phe Ile Leu Leu Gly Asn Asp Thr Ile
 35          40          45
Val Leu Ile Thr Arg Val Val Phe Ser Phe Gly Lys Phe Ser Phe Leu
 50          55          60
Glu Ile Trp Tyr Ile Tyr Ile Thr Leu Pro Arg Met Val Phe Gly Thr
 65          70          75          80
Gln Lys Arg Ala Met Ser Phe Ile Ala Cys Ala Thr Lys Leu Cys Phe
 85          90          95
Thr Pro Thr Leu Gly Ala Thr Lys Gly Phe Leu Leu Ala Val Met Tyr
100          105          110
Asn Asp Ile Tyr Val Ala Val Gly Asn Pro Leu Leu Tyr Ser Leu Leu
115          120          125
Leu Arg Leu Thr Cys Gly Ser Gln Leu Ser Ala Gly Ser Trp Phe Ser
130          135          140
Gly Met Asn Ser Gly Thr Gly Arg Leu Gln Thr Thr His Lys Phe Ile
145          150          155          160
Ser Leu Ala Gly Ser His His Thr Asn His Ile Phe Cys Asp Ile Pro
165          170          175
Tyr Phe Ser Leu Pro Val Lys Thr Phe Ile Asn Glu Met Val Ile Phe
180          185          190
Leu Asp Ala Val Leu Phe Cys Ser Ser Phe Leu Leu Leu Leu Ile Ile
195          200          205
Tyr Tyr Lys Ile Leu Thr Leu Leu Ser Lys
210          215

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<210> 2339

<211> 100

<212> PRT

<213> Mus musculus

<400> 2339

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Pro Ser Ala Glu Leu Thr Ser Arg Gly Arg Gln Ser Thr Trp Ser Glu
 1          5          10          15
Glu Pro Pro Ser Ala His Ala Gln Ile Ile Cys Leu Pro Leu Arg Thr
 20          25          30
Gln Leu Ser Ala Pro Ser Cys Asn Gly Glu Cys Gly Arg Gly Ser Gln
 35          40          45
His Asn Thr Ser Val Ala Pro Leu Leu Asn Pro Phe Ile Tyr Thr Leu
 50          55          60
Arg Asn Lys Gln Val Lys Glu Ala Phe Lys His Val Leu His Arg Phe
 65          70          75          80
Cys Phe Leu Gln Asn Asn Glu Thr Met Phe Arg His Ala Val Glu Thr
 85          90          95
Ser Gly Val Lys
100

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<210> 2340
 <211> 273
 <212> PRT
 <213> Mus musculus

<400> 2340
 Pro Thr Met Leu Phe Ser Tyr Ile Cys Thr Tyr Ser Ala Gly Glu Glu
 1 5 10 15
 Arg Leu Phe Thr Pro Leu Glu Leu Ile Gly His Met Val Ser Ser Phe
 20 25 30
 Leu Val Leu Ser Cys Tyr Gln Asn Val Ile Thr Leu Leu Met Met Met
 35 40 45
 Ser Phe Val Gln Asp Asn Asp Val Thr Pro Ser Leu Asn Met Thr Leu
 50 55 60
 Leu Ser Ser Phe Leu Ile Phe Val Thr Tyr Val Asn Trp Trp His Ala
 65 70 75 80
 Thr Met Ala Tyr Asp His Tyr Ala Val Thr Ser Asn Cys Leu Val Asn
 85 90 95
 Asn Val Ile Met Ser Gln Val Cys Phe Trp Met Val Ser Glu Met His
 100 105 110
 Ala Met Gly Phe Thr Glu Asp Thr Ile Gln Thr Leu Cys Ile Leu Arg
 115 120 125
 Val Leu Leu Cys Lys Gly Lys Val Met Asn Asn Cys Phe Cys Asp Leu
 130 135 140
 Leu Pro Leu Leu Pro Leu Ala Tyr Ser Ser Thr Phe Val Asn Lys Ile
 145 150 155 160
 Val Leu Leu Tyr Asn Ser Ala Phe Asn Met Phe Gln Pro Arg Leu Thr
 165 170 175
 Ile Ala Pro Tyr Thr Phe Asn Ile Thr Cys Ile Leu Cys Ile Lys Ser
 180 185 190
 Thr Asn Gly Arg Val Asn Ala Phe Ser Ser Tyr Asn Ser His Phe Phe
 195 200 205
 Ala Val Val Val Phe Leu Gly Ser Leu Ala Phe Ile Tyr Phe Gln Pro
 210 215 220
 Phe Ile Cys Ser Lys Lys Lys Asn Lys Ala Ser Ser Leu Phe Tyr Thr
 225 230 235 240
 Thr Ile Val Ser Met Leu Asn Ser Leu Ile Tyr Gly Leu Arg Asn Lys
 245 250 255
 Tyr Val Lys Phe Thr Leu Arg Lys Val Val Lys Lys Gln Asn Leu His
 260 265 270
 Val

<210> 2341
 <211> 231
 <212> PRT
 <213> Mus musculus

<400> 2341
 Val Val Leu Leu Ile Leu Val Lys Asn Ile Ile Ser Lys Ser Phe Ile
 1 5 10 15
 Ile Thr Ile Ser Gln Leu His Ser Pro Val Tyr Ser Leu Ser His
 20 25 30
 Leu Ser Phe Ile Asn Phe Cys Tyr Ser Ser Val Ile Ile Pro Lys Met
 35 40 45
 Leu Val Asn Phe Val Cys Glu Lys Asp Met Ile Phe Leu Glu Cys Met

<210> 2343
 <211> 311
 <212> PRT
 <213> Mus musculus

<400> 2343
 Met Glu Asp Lys Asn Glu Thr Ile Val Ser Glu Phe Leu Phe Leu Ser
 1 5 10 15
 Leu Thr Asn Arg Leu Tyr Gln Lys Ile Ile Leu Phe Ile Leu Leu Leu
 20 25 30
 Phe Ile Tyr Val Ile Thr Gly Gly Gly Asn Leu Gly Met Val Thr Val
 35 40 45
 Ile Trp Val Asp Pro Arg Phe His Thr Ser Met Tyr Tyr Phe Ile Ser
 50 55 60
 His Leu Ser Phe Val Asp Met Cys Ser Ser Ser Ser Ile Ala Pro Arg
 65 70 75 80
 Met Leu Tyr Asp Ile Phe Thr Glu Glu Asn Lys Asn Ile Ser Phe Val
 85 90 95
 Cys Cys Thr Val Leu Trp Phe Ala Gly Leu Phe Glu Gly Thr Glu Cys
 100 105 110
 Phe Leu Leu Ala Ala Met Ala Tyr Asp Gln Tyr Thr Ala Thr Cys Lys
 115 120 125
 Pro Leu Leu Tyr Thr Leu Ile Met Ser Lys Arg Val Cys Ala Gln Phe
 130 135 140
 Val Ile Trp Pro Tyr Leu Leu Ala Ala Ile Asn Ile Lys Thr His Glu
 145 150 155 160
 Thr Leu Thr Phe Cys Leu Pro Phe Cys Gly Ser Asn Thr Ile Asn His
 165 170 175
 Phe Phe Cys Asp Ile Ser Pro Met Leu Val Leu Ala Cys Ala Asp Ser
 180 185 190
 Ser Ile Asn Lys Ile Val Val Phe Val Leu Asp Gly Ala Ile Gly Val
 195 200 205
 Phe Ser Gly Val Ile Ile Thr Val Ser Tyr Ile Ser Ile Leu Met Ala
 210 215 220
 Ile Leu Lys Ile Gln Thr Thr Asn Arg Arg Met Lys Asp Phe Ser Thr
 225 230 235 240
 Tyr Ser Ser His Leu Ala Gly Val Ser Ile Gln Tyr Gly Thr Val Leu
 245 250 255
 Phe Ile Tyr Val Arg Pro Ser Thr Leu Asn Thr Asn Lys Val Ile Ser
 260 265 270
 Leu Phe Tyr Thr Val Met Ile Ser Met Leu Asn Pro Leu Ile Tyr Ser
 275 280 285
 Leu Arg Asn Lys Glu Val Lys Asn Ala Leu Arg Arg Lys Val Gln Arg
 290 295 300
 Lys His Phe Ser Arg Asp Trp
 305 310

<210> 2344
 <211> 248
 <212> PRT
 <213> Mus musculus

<400> 2344
 Met Lys Ala Phe Ser Ser Pro Ser Asn Ser Ser Thr Ile Thr Gly Phe
 1 5 10 15
 Ile Leu Leu Gly Phe Pro Cys His Arg Glu Gly Gln Ile Leu Leu Phe

Met Tyr Leu Lys Pro Ser Ser Ala Ser Val Asp Glu Glu Lys Leu Ser
180 185 190
Thr Ile Phe Tyr Thr Ile Leu Gly Pro Met Leu Asn Pro Phe Ile Tyr
195 200 205
Ser Ile Arg Asn Lys Asp Val His Leu Ala Leu Arg Lys Thr Leu Met
210 215 220
Lys Leu Arg Phe Ser
225

<210> 2346
<211> 268
<212> PRT
<213> Mus musculus

<400> 2346
Gly His Thr Ser Cys Gln Ser Leu Gly Gln Ala Phe Ile Leu Leu Gly
1 5 10 15
Leu Thr Gln Gln Pro Glu Leu Gln Leu Pro Leu Phe Phe Gln Phe Leu
20 25 30
Gly Ile Tyr Val Val Ser Ile Val Gly Asn Leu Gly Leu Ile Val Leu
35 40 45
Ile Val Leu Asn Pro His Leu His Thr Pro Met Tyr Tyr Phe Leu Phe
50 55 60
Asn Leu Ser Phe Thr Asp Leu Cys Tyr Ser Ser Ala Ile Thr Pro Lys
65 70 75 80
Met Leu Val Gly Phe Val Asn Gln Asn Ile Ile Ala His Ala Glu Cys
85 90 95
Leu Thr Gln Leu Phe Phe Phe Cys Phe Phe Val Leu Asp Glu Cys Tyr
100 105 110
Ile Cys Thr Glu Met Ala Tyr Asp Arg Tyr Ala Ala Ile Cys Lys Thr
115 120 125
Leu Leu Asn Gln Val Thr Met Ser His Gln Val Cys Leu Gly Asn His
130 135 140
Lys Arg Leu Asp Tyr Ile Ile Phe Arg Asn Gly Lys Ile Lys Lys Ile
145 150 155 160
Phe Leu Asn Val His Ile Tyr Phe Ile Ile Phe Phe Val Cys Gly Thr
165 170 175
Ser Tyr Pro Ser Leu Ser Cys Ala Ser Val Pro Leu Thr Tyr Ile Leu
180 185 190
Arg Val Gly Thr Phe Val Ser Phe Val Trp Leu Ser Gln Thr Met Ser
195 200 205
Tyr Tyr Phe Ile Ile Ala Asn Leu Trp Asp Asn Leu Glu Ser Ser Phe
210 215 220
Arg Leu Ile Cys Cys Ser Lys Gly Ser Lys Glu Gly Lys Lys Leu Leu
225 230 235 240
Ser Phe Trp Ser Phe Phe Ile Val Leu Lys Gln Phe Arg Lys Glu Gly
245 250 255
Leu Thr Ser Tyr Gln Pro Ser Asn Ile His Asp Ser
260 265

<210> 2347
<211> 213
<212> PRT
<213> Mus musculus

<400> 2347
Glu Ser Gly Pro Leu Pro Leu Pro Ser Leu Val Trp Gln Gln Asn Leu

1		5		10		15									
Ser	Phe	Asp	Gln	Ser	Asn	Cys	Leu	Gly	Tyr	Ile	Ser	Phe	Ser	Arg	Pro
		20						25					30		
Leu	Ala	Pro	Leu	Leu	Phe	Gln	Val	Ser	Lys	Met	His	Phe	Gln	Ala	Arg
		35					40					45			
Thr	Gln	Val	Val	Val	Cys	Trp	Pro	Asp	Thr	Thr	Ile	Arg	Phe	Ala	Gly
	50					55					60				
Ser	Ser	Val	His	Thr	Gly	Cys	Val	Phe	Leu	Gly	His	Ala	Ile	Asn	His
65					70					75				80	
Leu	Phe	Asn	Ile	Leu	Thr	Leu	Leu	Gln	Leu	Ser	Ala	Thr	Thr	Tyr	Val
			85						90					95	
Asn	Val	Val	Ile	Leu	Ile	Gly	Val	Tyr	Ile	Thr	Val	Pro	Ser	Phe	Thr
		100						105					110		
Ile	Leu	Ile	Ser	Tyr	Val	Phe	Ile	Phe	Ile	Asn	Ile	Leu	Asn	Ile	Lys
		115						120				125			
Ser	Met	Gln	Arg	Ile	Ser	Lys	Asp	Phe	Ser	Ile	Cys	Arg	Phe	His	Ile
	130					135					140				
Ala	Ser	Ile	Tyr	Val	Phe	Ile	Glu	Phe	Thr	Ala	Phe	Lys	Cys	Phe	Lys
145					150					155				160	
Tyr	Ser	Tyr	Gly	Ser	Ile	Asp	Gln	Gly	Phe	Tyr	Ser	Ser	Val	Phe	Tyr
			165					170					175		
Thr	Asp	Val	Ile	Leu	Ile	Leu	Asn	Ile	Ile	Ile	Tyr	Ser	Met	Cys	Ile
		180						185					190		
Met	Asp	Val	Glu	Met	Ala	Leu	Met	Asp	Ala	Leu	Met	Lys	Phe	Gln	Arg
		195					200					205			
Asn	Val	Phe	His	Leu											
		210													

<210> 2348

<211> 274

<212> PRT

<213> Mus musculus

<400> 2348

Leu	Gln	Ile	Leu	Trp	Lys	Lys	Lys	Gly	Ile	Ala	Glu	Leu	Gln	Leu	Leu
1			5					10					15		
Leu	Phe	Phe	Asn	Leu	Leu	Val	Val	Thr	Ile	Val	Gly	Asn	Leu	Asp	Thr
			20					25				30			
Leu	Ile	Ser	Ile	Leu	Phe	Ser	Ser	Gln	Leu	His	Thr	Pro	Val	Val	Tyr
		35				40					45				
Leu	Leu	Ser	Arg	Leu	Leu	Phe	Ile	Asp	Cys	Ser	Lys	Ser	Thr	Val	Ile
	50					55				60					
Thr	Pro	Thr	Met	Leu	Leu	Asn	Phe	Ala	Thr	Glu	Ser	Val	Ile	Cys	Tyr
65					70					75				80	
Glu	Cys	Ile	Pro	Gln	Tyr	Tyr	Phe	Cys	Ala	Phe	Gly	Ala	Ala	Lys	Cys
			85					90						95	
Val	Leu	Leu	Ala	Ala	Val	Ala	Tyr	Asp	Leu	Cys	Val	Ala	Val	His	Asn
		100						105					110		
Pro	Leu	Leu	Tyr	Asn	Leu	Ile	Ile	Ser	Tyr	Gln	Leu	Trp	Ser	Ile	Val
		115					120					125			
Val	Val	Val	Tyr	Gly	Arg	Gly	Leu	Leu	Cys	Thr	Val	Ala	His	Thr	Val
	130					135				140					
Phe	Val	Leu	Arg	Val	Phe	Cys	Phe	Leu	Gln	Asp	Trp	Tyr	Ile	Lys	Pro
145					150					155				160	
Leu	Leu	Ser	Gly	Ser	Ser	Thr	Phe	Ile	Ser	Glu	Leu	Leu	Ala	Ser	Ala
			165					170					175		
Phe	Asn	Leu	Thr	Leu	Leu	Cys	Leu	Gly	Ile	Leu	Ser	Tyr	Tyr	Ile	Phe
		180						185					190		

305

<210> 2350
<211> 283
<212> PRT
<213> Mus musculus

<400> 2350
Thr Leu Leu Leu Gly Phe Pro Ile Arg Pro Glu Gln Gln Tyr Ile Phe
1 5 10 15
Phe Thr Leu Leu Leu Ala Met Cys Leu Thr Thr Val Leu Ser Ser Cys
20 25 30
Thr Ser Thr His Leu His Thr Leu Met Tyr Leu Phe Leu Ile Ile Leu
35 40 45
His Ile Trp Leu Asp Ser His Pro Gln Val Pro Met Tyr Phe Phe Leu
50 55 60
Ser His Leu Ala Ser Val Ser Ser Val Thr Val Ser Glu Met Leu Trp
65 70 75 80
Ser Ile Gln Thr Gln His Leu Ser Ile Pro Tyr Glu Gly His Phe Ser
85 90 95
Asn Leu Val Phe Pro Tyr Phe Phe Tyr Met Leu Asp Asn Leu Leu Leu
100 105 110
Glu Met Val Val Tyr Glu Arg Tyr Val Ser Ile His Pro Leu Tyr Tyr
115 120 125
Thr Ile Val Met Arg Glu Glu Leu Tyr Asp Leu Leu Val Ser Gly Cys
130 135 140
Cys Phe Ile Ser Tyr Ile His Thr Leu Leu His Thr Leu Leu Leu Cys
145 150 155 160
Gln Ser Ile Pro Tyr His Phe Cys Tyr Phe Asn Glu His Leu Lys Leu
165 170 175
Ser Cys Leu Asn Thr Pro Phe Asn Glu Leu Val Ile Phe Ile Glu Gly
180 185 190
Val Leu Thr Phe Leu Pro Leu Gly Thr Ile Ser Gly Pro Tyr Ile Cys
195 200 205
Thr Gly Ala Thr Val Leu Lys Cys Pro Ser Met Lys Asn Ile Tyr Lys
210 215 220
Val Leu His Gly Ala Phe Ala Leu Val Leu Ala Ile Ile Tyr Phe Phe
225 230 235 240
His Phe Ser Asn Asn Ser Lys Phe Lys Val Val Ile Val Ser Val Met
245 250 255
Tyr Thr Val Val Thr Thr Met Leu Asn Pro Phe Ile Tyr Ser Ile Glu
260 265 270
Ile Lys Leu Ala His Gly Pro Leu Tyr Arg Lys
275 280

<210> 2351
<211> 304
<212> PRT
<213> Mus musculus

<220>
<221> VARIANT
<222> (166)...(200)
<223> Any amino acid

<400> 2351
Met Glu Asn His Ser Leu Thr Leu Val Thr Glu Phe Ile Leu Met Gly

1				5					10					15			
Ile	Thr	Glu	Arg	Pro	Glu	Leu	Gln	Ala	Pro	Leu	Phe	Gly	Leu	Phe	Leu		
			20					25					30				
Ile	Ile	Tyr	Ile	Phe	Ser	Leu	Val	Gly	Asn	Leu	Gly	Met	Ile	Ile	Leu		
		35					40					45					
Thr	Met	Val	Glu	Ser	Arg	Leu	Gln	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Arg		
		50				55					60						
His	Leu	Ala	Thr	Thr	Asp	Leu	Gly	Tyr	Ser	Thr	Ala	Val	Gly	Pro	Lys		
65					70					75					80		
Met	Leu	Arg	Ser	Phe	Leu	Val	Asp	Gln	Asn	Arg	Ile	Ser	Phe	His	Phe		
				85					90					95			
Cys	Ala	Val	Gln	Phe	Ala	Phe	Phe	Ser	Met	Phe	Ile	Ile	Ser	Glu	Phe		
			100					105					110				
Phe	Ile	Leu	Ser	Ala	Met	Ser	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys		
		115					120					125					
Pro	Leu	Leu	Tyr	Asn	Val	Ile	Met	Ser	Gln	Arg	Val	Cys	Trp	Val	Leu		
		130				135					140						
Val	Thr	Ile	Pro	Tyr	Leu	Ser	Ile	Phe	Val	Ala	Leu	Ile	Ala	Thr	Ile		
145					150					155					160		
Asn	Ile	Phe	Ser	Ser	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa		
				165				170						175			
Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa		
			180					185					190				
Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Ser	Pro	Leu	Val	Ile	Leu	Val	Ser		
		195					200					205					
Tyr	Leu	Leu	Ile	Leu	Arg	Ala	Ile	Leu	Arg	Met	Asn	Ser	Ala	Glu	Gly		
		210				215					220						
Arg	Gln	Lys	Ala	Phe	Ser	Thr	Cys	Gly	Ser	His	Leu	Thr	Val	Val	Ile		
225					230					235					240		
Val	Phe	Tyr	Gly	Thr	Leu	Ile	Phe	Met	Tyr	Val	Gln	Pro	Lys	Ser	Ser		
				245					250					255			
His	Ser	Leu	Asn	Thr	Asp	Asn	Ala	Ala	Ser	Ile	Phe	Tyr	Thr	Leu	Ile		
			260					265					270				
Ile	Leu	Met	Leu	Asn	Pro	Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val		
		275					280					285					
Lys	Tyr	Ser	Ile	Arg	Lys	Thr	Gly	Lys	Thr	Ile	Gln	Asn	Ile	Phe	Ser		
		290				295					300						

<210> 2352

<211> 297

<212> PRT

<213> Mus musculus

<400> 2352

Met	Glu	Lys	Tyr	Asn	Leu	Thr	Met	Val	Thr	Glu	Phe	Ile	Leu	Val	Gly		
1				5					10					15			
Ile	Pro	Tyr	His	Pro	Glu	Phe	Gln	Val	Leu	Leu	Phe	Gly	Leu	Phe	Leu		
			20					25					30				
Ile	Ile	Tyr	Leu	Thr	Ser	Leu	Val	Gly	Asn	Leu	Gly	Met	Ile	Ile	Leu		
		35					40					45					
Ala	Met	Val	Asp	Ser	Arg	Leu	Gln	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Arg		
		50				55					60						
His	Leu	Ala	Thr	Ile	Asp	Leu	Gly	Trp	Ser	Thr	Lys	Met	Leu	Asn	Asn		
65					70					75					80		
Phe	Leu	Val	Asp	Gln	Asn	Ala	Ile	Ser	Phe	Tyr	Ala	Cys	Ala	Ile	Gln		
				85					90					95			
Leu	Ser	Phe	Phe	Ser	Met	Phe	Thr	Ile	Lys	Lys	Phe	Phe	Ile	Leu	Ser		
			100					105					110				

Ala	Met	Ser	Tyr	Asp	Cys	Tyr	Val	Ala	Phe	Cys	Lys	Pro	Leu	Leu	Tyr	
		115					120					125				
Thr	Ile	Ile	Met	Ala	Ile	Trp	Val	Met	Ile	Leu	Ile	Thr	Ile	Val	Asp	
	130					135					140					
Ser	Arg	Gln	Lys	Thr	Pro	Met	Asn	Ile	Ile	Leu	Gln	Thr	Cys	Ser	Asn	
145					150					155					160	
Tyr	Asn	Phe	His	Leu	Leu	Asn	Ser	Cys	Gln	Tyr	Gln	Asn	Phe	Glu	Ile	
			165						170					175		
Phe	Tyr	Cys	Gly	Ser	Lys	Pro	Val	Ser	Phe	Arg	Leu	Phe	Ala	Ser	Gln	
			180					185					190			
Ile	Ser	Leu	Leu	Tyr	Phe	Pro	His	Ser	Leu	Ala	Phe	Tyr	Tyr	Phe	Ile	
	195					200						205				
Ile	Ser	Val	Thr	Ser	Met	Trp	Pro	Val	Ala	Ala	Asn	Leu	Cys	Phe	Tyr	
	210					215					220					
Gly	His	His	Ile	Lys	Lys	Ser	Leu	Leu	Val	Ser	Ser	Gly	Asp	His	Leu	
225					230					235					240	
Tyr	Leu	Thr	Thr	Leu	Pro	Val	Ile	Met	Lys	Ile	Lys	Met	Phe	Thr	Leu	
				245					250					255		
Phe	Phe	Cys	Val	His	Lys	Ser	Ser	Val	Ile	Ser	Asn	Ala	Thr	Val	Phe	
			260					265					270			
Leu	Phe	Asn	Val	Ala	Leu	Phe	Glu	Tyr	Ser	Gln	Asn	Thr	Asp	His	Leu	
		275					280					285				
Ile	Ser	Ser	Ala	Phe	Phe	Pro	Leu	Phe								
	290					295										

<210> 2353

<211> 271

<212> PRT

<213> Mus musculus

<220>

<221> VARIANT

<222> (139)...(145)

<223> Any amino acid

<400> 2353

Met	Glu	Lys	Gln	Asn	Leu	Thr	Val	Leu	Ser	Glu	Phe	Ile	Leu	Lys	Gly	
1				5					10					15		
Ile	Thr	Asp	Arg	Pro	Glu	Met	Gln	Ala	Pro	Leu	Phe	Gly	Leu	Leu	Phe	
			20					25					30			
Ile	Ile	Tyr	Leu	Ile	Ser	Ala	Val	Gly	Asn	Leu	Gly	Ile	Ile	Ile	Ile	
		35					40					45				
Thr	Asn	Val	Gly	Ser	Arg	Leu	Cys	Ile	Pro	Met	Tyr	Phe	Phe	Leu	Lys	
	50					55					60					
His	Leu	Ala	Phe	Thr	Asp	Leu	Gly	Tyr	Ser	Thr	Ala	Ile	Gly	Pro	Lys	
65					70					75				80		
Met	Leu	Val	Asn	Phe	Val	Ala	Glu	Asn	Asn	Ser	Val	Ser	Tyr	Tyr	Leu	
				85					90					95		
Cys	Ala	Thr	Gln	Leu	Ala	Cys	Phe	Leu	Leu	Phe	Ile	Thr	Trp	Glu	Leu	
			100					105					110			
Leu	Ile	Phe	Ser	Ser	Met	Ser	Tyr	Asp	Arg	Tyr	Val	Pro	Ile	Cys	Asn	
		115					120					125				
Pro	Leu	Leu	Tyr	Thr	Gly	Ile	Met	Ser	Gln	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	
	130					135					140					
Xaa	Glu	Phe	Trp	Val	Leu	Ile	Leu	Thr	Phe	Phe	Ile	Ile	Ile	Ile	Leu	
145					150					155					160	
Glu	Lys	Lys	Ile	Lys	Val	Pro	Leu	Leu	Ser	Phe	Arg	Gly	Lys	Gly	Glu	
				165					170					175		

Phe	Lys	Gln	Asp	Leu	Ser	Thr	Leu	Cys	Ile	Glu	Tyr	His	Val	Glu	Val
			180					185					190		
Ser	Ser	Asp	His	Lys	Cys	Val	Ser	Leu	Ser	Phe	Met	Met	Ser	Gly	Lys
		195					200					205			
Ala	Lys	Glu	Thr	Leu	Asn	Cys	Leu	Cys	Ser	Leu	Leu	Thr	Phe	Gln	Lys
	210					215					220				
Lys	Met	Gly	Pro	Leu	Cys	Gly	Leu	Phe	Leu	Phe	Phe	Tyr	Gly	Val	Arg
225					230					235					240
Gln	Ala	Phe	Tyr	Phe	Arg	Leu	Gln	Phe	Ile	Tyr	Met	Cys	Cys	Leu	Gln
				245					250					255	
Met	Lys	Phe	Asp	Tyr	Asp	Ile	Lys	Leu	Leu	Ile	Ser	Val	His	Tyr	
			260					265					270		

<210> 2354

<211> 268

<212> PRT

<213> Mus musculus

<220>

<221> VARIANT

<222> (194)...(229)

<223> Any amino acid

<400> 2354

Met	Asp	Gly	Gly	Asn	Gln	Thr	Ile	Val	Ser	Glu	Phe	Ile	Leu	Gln	Gly
1				5				10					15		
Leu	Ala	Asn	Ser	Lys	Asn	Ile	Gln	Val	Leu	Leu	Phe	Met	Ile	Leu	Leu
		20						25					30		
Thr	Leu	Tyr	Leu	Leu	Ile	Met	Ser	Gly	Asn	Ile	Val	Ile	Leu	Ile	Leu
		35					40					45			
Ile	Thr	Thr	Asp	Pro	His	Leu	Leu	Ser	Pro	Met	Tyr	Phe	Leu	Leu	Ala
	50					55					60				
Asn	Met	Ser	Phe	Val	Asp	Met	Trp	Leu	Ser	Ser	Asn	Ile	Thr	Pro	Lys
65					70					75					80
Met	Ile	Thr	Gly	Phe	Leu	Arg	Glu	Asn	Lys	Thr	Ile	Ser	Phe	Ala	Gly
			85						90					95	
Cys	Met	Phe	Gln	Val	Phe	Phe	Ser	His	Cys	Ile	Ala	Ala	Gly	Glu	Met
			100					105					110		
Val	Leu	Leu	Val	Val	Met	Ala	Tyr	Asp	His	Tyr	Val	Ala	Ile	Cys	Lys
		115					120					125			
Pro	Leu	His	Tyr	Ile	Thr	Ile	Met	Asn	Leu	Lys	Arg	Cys	Thr	Gly	Leu
	130					135						140			
Val	Phe	Thr	Ser	Trp	Ile	Ile	Gly	Phe	Ile	His	Gly	Ile	Ser	His	Leu
145					150					155					160
Val	Val	Val	Val	His	Leu	Arg	Phe	Cys	Gly	Pro	Lys	Glu	Thr	Asp	Ser
				165					170					175	
Phe	Phe	Cys	Asp	Met	Pro	Leu	Val	Ile	Lys	Leu	Ala	Cys	Met	Asp	Ser
			180					185					190		
His	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa
		195					200					205			
Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa
	210						215					220			
Xaa	Xaa	Xaa	Xaa	Xaa	Ile	Thr	Val	Val	Leu	Tyr	Thr	Phe	Pro	Asn	Ser
225					230					235					240
His	Val	Thr	Trp	Glu	Asn	Ile	Asn	Lys	Phe	Phe	Pro	Ser	Ile	His	Leu
				245					250					255	
Tyr	Ala	Ile	His	Thr	Pro	Lys	Leu	Ser	Thr	Ser	Ile				
			260					265							

<210> 2355
 <211> 231
 <212> PRT
 <213> Mus musculus

 <220>
 <221> CONFLICT
 <222> (89)...(96)
 <223> Any amino acid

<400> 2355
 Thr His Thr Glu Asp Ser Asn Gln Thr Val Val Ser Ala Phe Ile Phe
 1 5 10 15
 Gln Gly Leu Cys Thr Ser Arg Gln Leu Glu Ile Phe Leu Leu Leu Pro
 20 25 30
 Phe Ser Val Leu Tyr Leu Met Thr Leu Val Asp Asn Leu Phe Val Val
 35 40 45
 Ile Leu Ile Ile Thr Asp His His Phe Asn Ser Pro Met Tyr Phe Leu
 50 55 60
 Ser Ala Asn Leu Ser Phe Gly Asp Phe Tyr Leu Ser Ser Val Asn Thr
 65 70 75 80
 Pro Lys Leu Thr Ile Asp Leu Leu Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 85 90 95
 Leu Met Ser Val Leu Leu Leu Arg Asn Thr Leu Thr Met His Ser Phe
 100 105 110
 Tyr Lys Gly Lys His Leu Ile Gly Asn Ser Leu Gln Phe Gln Arg Phe
 115 120 125
 Ile Ser Phe Ser Ser Leu Trp Val Val Ile Ala Ala Cys Arg Tyr Thr
 130 135 140
 Cys Thr Gly Asp Ile Val Glu Arg Ser Thr Asp Arg Ser Met His Asn
 145 150 155 160
 Arg Lys Lys Glu Thr Leu Asn Leu Lys Ala Phe Glu Ile Thr Asn Pro
 165 170 175
 Ser Phe Ser Cys Thr Leu Pro Gln Thr Arg Cys Met Pro Ser Asn Pro
 180 185 190
 Ser Gln Val Met Pro Leu Pro Asn Asp Val Phe Lys Tyr Ile Ser Leu
 195 200 205
 Lys Val Phe Leu Phe Lys Ala Phe Ser Leu Ile Ile Met Asn Ala Phe
 210 215 220
 Ser Pro Thr Ser Lys Val Ser
 225 230

<210> 2356
 <211> 314
 <212> PRT
 <213> Mus musculus

<400> 2356
 Met Lys Asn Lys Ser Met Glu Leu Asp Phe Ile Leu Leu Gly Leu Thr
 1 5 10 15
 Asp Asp Pro Gln Leu Gln Ile Val Val Phe Leu Phe Leu Phe Leu Asn
 20 25 30
 Tyr Val Met Ser Leu Val Gly Asn Leu Ile Ile Val Leu Leu Thr Leu
 35 40 45
 Leu Asp Pro Arg Leu Lys Thr Pro Met Tyr Phe Phe Leu Arg Asn Phe
 50 55 60

Ser	Phe	Leu	Glu	Ile	Met	Phe	Thr	Thr	Val	Cys	Ile	Pro	Arg	Phe	Leu
65					70					75					80
Thr	Thr	Ile	Val	Thr	Gly	Asp	Lys	Thr	Ile	Thr	Tyr	Asn	Asn	Cys	Ala
				85					90					95	
Ala	Gln	Leu	Phe	Ile	Leu	Leu	Leu	Gly	Val	Thr	Glu	Phe	Tyr	Leu	
			100					105					110		
Leu	Ala	Ala	Met	Ser	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Arg	Pro	Leu
		115				120						125			
His	Tyr	Pro	Ile	Ile	Met	Asn	Ser	Lys	Val	Cys	His	Gln	Leu	Val	Leu
	130					135					140				
Ser	Ser	Trp	Val	Thr	Gly	Phe	Leu	Ile	Ile	Phe	Pro	Pro	Leu	Ala	Met
145					150					155					160
Gly	Leu	Lys	Leu	Asp	Phe	Cys	Asp	Ser	Arg	Ile	Ile	Asp	His	Phe	Met
				165					170					175	
Cys	Glu	Thr	Ser	Pro	Ile	Leu	Gln	Ile	Ser	Cys	Thr	Asp	Thr	His	Val
			180					185					190		
Leu	Glu	Met	Met	Ser	Phe	Val	Leu	Ala	Val	Val	Thr	Leu	Val	Val	Thr
		195					200					205			
Leu	Val	Leu	Val	Ser	Leu	Ser	Tyr	Ser	Phe	Ile	Ile	Lys	Thr	Ile	Met
	210					215						220			
Ser	Phe	Pro	Ser	Ala	Gln	Gln	Arg	Thr	Lys	Ala	Phe	Ser	Thr	Cys	Thr
225					230					235					240
Ser	His	Met	Phe	Val	Ser	Ile	Thr	Tyr	Gly	Ser	Cys	Ile	Phe	Met	
				245				250					255		
Tyr	Ile	Lys	Pro	Ser	Ala	Arg	Glu	Arg	Val	Ser	Val	Ser	Lys	Gly	Val
			260				265						270		
Ala	Leu	Leu	Tyr	Thr	Ser	Ile	Ala	Pro	Ser	Pro	Glu	Pro	Leu	Leu	Tyr
		275					280					285			
Thr	Leu	Arg	Asn	Gln	Gln	Val	Lys	Glu	Val	Phe	Trp	Asp	Val	Leu	Gln
	290					295					300				
Lys	Thr	Leu	Gly	Phe	Ser	Lys	His	Lys	Val						
305					310										

<210> 2357

<211> 221

<212> PRT

<213> Mus musculus

<400> 2357

Ser	Tyr	Ala	Gly	Cys	Val	Ser	Gln	Leu	Val	Phe	Tyr	His	Phe	Leu	Gly
1				5					10					15	
Gly	Thr	Glu	Cys	Phe	Leu	Tyr	Thr	Val	Met	Ala	Tyr	Asp	Arg	Phe	Val
			20					25					30		
Ala	Ile	Cys	Tyr	Pro	Leu	Arg	Tyr	Ser	Val	Ile	Met	Ser	His	Arg	Ile
		35					40					45			
Cys	Ala	Phe	Leu	Ala	Met	Gly	Thr	Ala	Val	Phe	Gly	Cys	Ile	His	Ser
	50					55					60				
Thr	Phe	Leu	Thr	Thr	Leu	Thr	Phe	Gln	Leu	Pro	Tyr	Cys	Gly	Pro	Lys
65					70					75					80
Asp	Val	Asn	Tyr	Tyr	Phe	Cys	Asp	Ile	Pro	Val	Val	Met	Lys	Leu	Ala
				85					90					95	
Cys	Ala	Asp	Thr	Ser	Thr	Leu	Glu	Met	Val	Gly	Phe	Ile	Ser	Val	Gly
			100					105					110		
Leu	Met	Pro	Leu	Ser	Cys	Phe	Phe	Ile	Leu	Thr	Ser	Tyr	Ser	Cys	
		115					120					125			
Ile	Val	Arg	Ser	Ile	Leu	Gln	Ile	Arg	Ser	Thr	Glu	Gly	Arg	His	Arg
	130					135					140				
Ala	Phe	Ser	Thr	Cys	Ser	Ala	His	Phe	Thr	Ala	Ile	Leu	Leu	Phe	Tyr

145					150					155				160
Met	Pro	Val	Ile	Phe	Ile	Tyr	Leu	Arg	Pro	Thr	Pro	Ser	Pro	Trp
				165					170				175	
Asp	Ala	Thr	Val	Gln	Ile	Leu	Asn	Asn	Leu	Val	Thr	Pro	Met	Leu
			180					185					190	
Pro	Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Lys	Ser	Ser	Leu
		195					200					205		
Thr	Val	Leu	His	Leu	Leu	Cys	Phe	Leu	Pro	Lys	His	Leu		
	210					215					220			

<210> 2358
 <211> 199
 <212> PRT
 <213> Mus musculus

<400> 2358

Ile	Leu	Leu	Thr	Leu	Met	Gly	Tyr	Asp	Arg	Phe	Leu	Ala	Ile	Cys	Asn
1				5					10					15	
Pro	Leu	Arg	Tyr	Pro	Leu	Leu	Met	Thr	Asn	Val	Ala	Cys	Gly	Gln	Leu
			20					25					30		
Val	Ala	Ser	Ala	Trp	Val	Gly	Gly	Phe	Phe	Ile	Ser	Leu	Ile	Glu	Thr
		35				40						45			
Thr	Leu	Ile	Phe	Arg	Val	Ser	Phe	Cys	Ile	Pro	Asn	Leu	Ile	Arg	His
	50					55					60				
Phe	Phe	Cys	His	Met	Arg	Ala	Val	Leu	Arg	Leu	Ser	Cys	Thr	Asp	Ser
65					70					75				80	
Asn	Phe	Thr	Glu	Phe	Ile	Val	Thr	Leu	Met	Ser	Val	Ser	Gly	Leu	Leu
				85					90					95	
Gly	Thr	Phe	Leu	Leu	Ile	Leu	Leu	Thr	Tyr	Val	Phe	Ile	Leu	Ser	Ser
			100					105					110		
Val	Leu	Lys	Ile	Pro	Ser	Ala	Glu	Gly	Lys	Gln	Lys	Ala	Phe	Ser	Thr
		115					120					125			
Cys	Ala	Ser	His	Leu	Thr	Val	Val	Leu	Ile	His	Phe	Gly	Phe	Ala	Ser
	130					135					140				
Val	Val	Tyr	Met	Lys	Pro	Glu	Asn	Ser	Gly	Gly	Asp	Asp	Thr	Leu	Ile
145					150					155				160	
Ala	Val	Pro	Tyr	Thr	Val	Ile	Thr	Pro	Phe	Leu	Ser	Pro	Ile	Ile	Phe
				165					170					175	
Thr	Leu	Arg	Asn	Lys	Asp	Met	Lys	Asn	Ala	Phe	Arg	Lys	Ile	Met	Arg
			180					185					190		
Lys	Thr	Val	Val	Leu	Lys	Lys									
		195													

<210> 2359
 <211> 182
 <212> PRT
 <213> Mus musculus

<400> 2359

Arg	Val	Cys	Ile	Leu	Phe	Leu	Val	Met	Ala	Trp	Ala	Gly	Gly	Leu	Ala
1				5					10					15	
His	Ala	Phe	Val	Gln	Val	Leu	Ala	Val	Tyr	Asn	Phe	Pro	Phe	Cys	Gly
			20					25					30		
Pro	Asn	Ile	Ile	Asp	His	Phe	Gly	Cys	Asp	Ile	Tyr	Pro	Leu	Leu	Leu
		35					40					45			
Leu	Ala	Cys	Thr	Asp	Thr	Tyr	Phe	Leu	Gly	Leu	Ser	Ile	Ile	Gly	Asn
	50					55					60				

Asn	Gly	Ala	Met	Cys	Ile	Val	Ile	Phe	Thr	Leu	Leu	Leu	Leu	Ser	Tyr
65					70					75					80
Gly	Ile	Ile	Leu	Arg	Phe	Leu	Lys	Asn	His	Ser	Gln	Glu	Gly	Arg	Arg
				85					90					95	
Lys	Ala	Leu	Ser	Thr	Cys	Gly	Ser	His	Ile	Thr	Val	Val	Phe	Leu	Phe
			100					105					110		
Phe	Val	Pro	Cys	Ile	Phe	Met	Tyr	Val	Arg	Pro	Val	Ser	Ser	Phe	Pro
		115					120					125			
Ile	Asp	Lys	Phe	Ile	Thr	Val	Ile	Tyr	Thr	Ile	Val	Thr	Pro	Met	Leu
	130					135					140				
Asn	Pro	Leu	Ile	Tyr	Thr	Leu	Arg	Asn	Ser	Glu	Met	Lys	Asn	Ser	Met
145					150					155					160
Glu	Lys	Leu	Leu	Gln	Lys	Thr	Leu	Ser	Pro	Ser	Arg	Ile	Arg	Leu	Ser
				165					170					175	
Ser	Cys	Cys	Leu	Cys	Tyr										
			180												

<210> 2360
 <211> 154
 <212> PRT
 <213> Mus musculus

<400> 2360

Thr	Leu	Ile	Ile	Ser	Ile	Asn	Ile	Ile	Asp	Ser	Asn	Ile	Ile	Asp	His
1				5					10					15	
Phe	Gly	Cys	Asp	Val	Asn	Pro	Leu	Leu	Lys	Ile	Ser	Cys	Ser	Asp	Lys
			20					25					30		
Trp	Leu	Ile	Glu	Gln	Met	Val	Ile	Cys	Ser	Ala	Val	Leu	Thr	Phe	Ile
		35					40					45			
Ile	Thr	Leu	Leu	Cys	Ala	Val	Phe	Ser	Tyr	Met	Tyr	Ile	Ile	Arg	Thr
	50					55					60				
Val	Leu	Lys	Phe	Pro	Ser	Ala	Gln	Gln	Lys	Arg	Lys	Ala	Phe	Ser	Thr
65					70					75					80
Cys	Ser	Ser	His	Met	Ile	Val	Val	Ser	Ile	Thr	Tyr	Gly	Ser	Cys	Ile
			85						90					95	
Phe	Ile	Tyr	Ile	Lys	Pro	Ser	Ala	Lys	Glu	Glu	Val	Thr	Ile	Asn	Lys
			100					105					110		
Cys	Leu	Ser	Gly	Leu	Ile	Ser	Ser	Ile	Ser	Pro	Met	Leu	Asn	Pro	Phe
		115					120					125			
Ile	Tyr	Thr	Leu	Arg	Asn	Lys	Gln	Val	Lys	Gln	Ala	Ser	Gln	Asp	Leu
	130					135					140				
Ile	Lys	Lys	Ile	Ala	Phe	Leu	Leu	Lys	Lys						
145					150										

<210> 2361
 <211> 132
 <212> PRT
 <213> Mus musculus

<400> 2361

Thr	Ser	Leu	Tyr	Glu	Thr	Leu	Met	Tyr	Ala	Cys	Cys	Val	Leu	Met	Leu
1				5					10					15	
Leu	Ile	Pro	Ile	Ser	Phe	Ile	Ser	Val	Ser	Tyr	Thr	Arg	Ile	Leu	Ile
			20					25					30		
Thr	Val	Tyr	His	Met	Ser	Ser	Ala	Glu	Gly	Arg	Arg	Lys	Ala	Phe	Thr
		35					40					45			
Thr	Cys	Ser	Ser	His	Ile	Ile	Val	Val	Ser	Ile	Phe	Tyr	Gly	Ala	Ala

Leu	Ser	Thr	Tyr	Arg	Pro	Thr	Gln	Tyr	Phe	Leu	Phe	Ala	Phe	Ala	Ile
			20					25				30			
Ile	Ser	Tyr	Ala	Ala	Thr	Phe	Leu	Gly	Asn	Phe	Ser	Val	Val	Phe	Ile
		35					40					45			
Val	Ile	Phe	Asp	Pro	His	Leu	His	Ser	Pro	Met	Tyr	Phe	Leu	Leu	Ala
	50					55					60				
Asn	Leu	Ser	Phe	Val	Asp	Phe	Cys	Phe	Ser	Thr	Ser	Thr	Val	Pro	Lys
	65				70					75					80
Leu	Ile	Ser	Asp	Leu	Tyr	Ser	Gly	His	Ser	Ile	Ile	Ser	Ile	Gln	Ser
				85					90					95	
Cys	Ile	Phe	Gln	Met	Phe	Val	Leu	His	Leu	Leu	Gly	Gly	Cys	Glu	Met
			100					105					110		
Val	Leu	Leu	Val	Ala	Met	Ala	Trp	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys
		115					120					125			
Pro	Leu	Tyr	Tyr	Leu	Thr	Ile	Met	Asn	Pro	Arg	Met	Cys	Leu	Leu	Leu
	130					135					140				
Leu	Ile	Ser	Ala	Trp	Ile	Ile	Gly	Leu	Ile	His	Ser	Val	Ala	Gln	Leu
	145				150					155					160
Ala	Phe	Val	Val	His	Leu	Pro	Phe	Cys	Ala	Ser	Asn	Glu	Ile	Asp	Ser
				165					170					175	
Phe	Tyr	Cys	Asp	Leu	Pro	Arg	Phe	Ile	Lys	Met	Ala	Cys	Ile	Asn	Thr
			180					185					190		
Tyr	Arg	Met	Glu	Phe	Leu	Val	Thr	Ala	Asp	Ser	Gly	Phe	Ile	Ser	Leu
		195					200					205			
Ser	Thr	Phe	Phe	Leu	Leu	Ile	Ile	Ser	Tyr	Ile	Phe	Ile	Leu	Phe	Ile
	210					215					220				
Val	Arg	Lys	Gln	Ser	Leu	Gly	Ser	Leu	Ser	Lys	Ala	Phe	Ser	Thr	Leu
	225				230					235					240
Ser	Ala	His	Ile	Cys	Val	Val	Val	Leu	Phe	Phe	Gly	Pro	Cys	Ile	Phe
				245					250					255	
Val	Tyr	Ile	Trp	Pro	Phe	Pro	Thr	Val	Pro	Val	Asp	Lys	Phe	Leu	Ala
			260					265					270		
Ile	Leu	Asp	Phe	Met	Ile	Ile	Pro	Ile	Leu	Asn	Pro	Ala	Ile	Tyr	Thr
		275					280					285			
Leu	Arg	Asn	Lys	Asp	Met	Lys	Val	Ala	Met	Arg	Arg	Leu	Ser	Val	Gln
	290					295					300				
Leu	Leu	Ser	Arg	Lys	Ser	Ile	Cys								
	305				310										

<210> 2364

<211> 227

<212> PRT

<213> Mus musculus

<400> 2364

Met	Glu	Asp	Ser	Asn	Gln	Thr	Val	Val	Ser	Glu	Phe	Ile	Phe	Gln	Gly
1				5					10					15	
Leu	Cys	Thr	Ser	Arg	Gln	Leu	Glu	Ile	Phe	Leu	Leu	Leu	Pro	Phe	Ser
			20					25					30		
Val	Leu	Tyr	Leu	Val	Thr	Leu	Val	Gly	Asn	Leu	Phe	Val	Val	Ile	Leu
		35					40					45			
Ile	Ile	Ile	Asp	His	His	Leu	His	Ser	Pro	Met	Tyr	Phe	Leu	Leu	Ala
	50					55					60				
Asn	Leu	Ser	Phe	Val	Asp	Phe	Cys	Leu	Ser	Ser	Val	Asn	Thr	Pro	Lys
	65				70					75					80
Leu	Thr	Ile	Asp	Leu	Leu	Lys	Glu	Asn	Lys	Thr	Ile	Ser	Phe	Gly	Gly
				85					90					95	
Cys	Met	Ser	Gln	Ile	Leu	Cys	Val	His	Phe	Phe	Gly	Gly	Ser	Glu	Met

Val	Leu	Leu	Val	Thr	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Arg
	115							120				125			
Pro	Leu	His	Tyr	Ser	Ser	Ile	Met	Asp	Arg	Gln	Lys	Cys	Ile	Trp	Leu
	130					135					140				
Val	Val	Ile	Ser	Trp	Ile	Val	Gly	Phe	Val	His	Ala	Ile	Ser	Gln	Leu
145					150					155					160
Leu	Leu	Ile	Leu	Asp	Leu	Pro	Phe	Cys	Gly	Pro	Arg	Val	Ile	Asp	Ser
				165					170					175	
Phe	Phe	Cys	Asp	Ile	Pro	Leu	Val	Met	Lys	Leu	Ala	Cys	Met	Asn	Thr
			180					185					190		
Asp	Thr	Leu	Glu	Ile	Leu	Ile	Asn	Ala	Asp	Ser	Gly	Ile	Leu	Ala	Thr
	195					200						205			
Thr	Cys	Phe	Thr	Leu	Leu	Leu	Ile	Ser	Tyr	Thr	Tyr	Ile	Leu	Leu	Thr
	210					215					220				
Val	Gln	His													
225															

<210> 2365

<211> 271

<212> PRT

<213> Mus musculus

<400> 2365

Met	Ala	Ile	Ile	Gly	Glu	Glu	Asn	Met	Thr	Gln	Ile	Ser	Glu	Ile	Ile
1				5					10				15		
Leu	Leu	Gly	Phe	Gly	Asp	Leu	His	Gly	Leu	Gln	Phe	Leu	Leu	Phe	Gly
		20						25				30			
Leu	Phe	Leu	Ala	Ile	Tyr	Val	Met	Thr	Leu	Leu	Gly	Asn	Ile	Val	Ile
	35						40					45			
Leu	Thr	Val	Val	Ser	Thr	Asp	Cys	Ser	Leu	His	Thr	Pro	Met	Tyr	Phe
	50					55					60				
Phe	Leu	Gly	His	Phe	Ser	Phe	Leu	Glu	Ile	Ser	Tyr	Thr	Thr	Thr	Ile
65					70					75					80
Glu	Pro	Val	Met	Leu	Trp	Thr	Leu	Leu	Ser	Ala	His	Val	Pro	Ile	Ser
			85						90				95		
Leu	Pro	Ala	Cys	Ala	Cys	Gln	Phe	Tyr	Phe	Phe	Ala	Ser	Leu	Val	Ala
		100						105					110		
Thr	Glu	Cys	Phe	Leu	Leu	Ala	Val	Met	Ser	Tyr	Asp	Arg	Tyr	Ile	Ala
		115					120					125			
Ile	Cys	Asn	Pro	Leu	His	Tyr	Ser	Ser	Ile	Met	Asp	Ser	Trp	Gly	Cys
	130					135					140				
Phe	Gln	Leu	Ala	Leu	Ala	Ser	Trp	Leu	Ala	Gly	Phe	Leu	Ala	Pro	Ile
145					150					155					160
Leu	Leu	Met	Ile	Leu	Ile	Phe	Arg	Leu	Thr	Phe	Cys	Ser	Ala	Asn	Glu
				165					170					175	
Ile	Asp	His	Phe	Phe	Cys	Asp	Leu	Lys	Pro	Ile	Met	Lys	Leu	Ala	Cys
		180						185					190		
Thr	Asn	Thr	Gln	Val	Ala	Glu	Met	Thr	Ser	Phe	Ile	Cys	Thr	Ser	Leu
	195						200					205			
Phe	Ala	Leu	Gly	Pro	Phe	Ile	Leu	Thr	Leu	Ala	Ser	Tyr	Ile	His	Ile
	210					215					220				
Ile	Cys	Thr	Ile	Leu	Arg	Ile	Pro	Ser	Thr	Thr	Gly	Lys	Gln	Arg	Ala
225					230					235					240
Phe	Ser	Thr	Cys	Ser	Ser	His	Leu	Ile	Val	Val	Ser	Leu	Tyr	Tyr	Gly
				245					250					255	
Thr	Leu	Gly	Ile	Val	Tyr	Gly	Phe	Pro	Ser	Met	Pro	Gln	Tyr	Glu	
			260					265					270		

<210> 2366
 <211> 134
 <212> PRT
 <213> Mus musculus

<400> 2366
 Lys Leu Pro Cys Gly Asn Val Lys Val Asn Ala Ile Tyr Gly Leu Met
 1 5 10 15
 Val Ala Leu Leu Ile Gly Gly Phe Asp Ile Leu Cys Ile Thr Ile Ser
 20 25 30
 Tyr Ile Met Ile Leu Arg Ala Val Ser Leu Ser Ser Ala Asp Ala
 35 40 45
 Arg Gln Lys Ala Phe Ser Thr Cys Thr Ala His Ile Cys Ala Ile Val
 50 55 60
 Phe Ser Tyr Ser Pro Thr Phe Leu Ser Phe Phe Ser His His Phe Gly
 65 70 75 80
 Gly His Thr Ile Pro Pro Ser Cys His Ile Ile Val Ala Asn Ile Tyr
 85 90 95
 Leu Leu Leu Pro Pro Thr Met Asn Pro Val Val Tyr Gly Val Lys Thr
 100 105 110
 Lys Gln Ile Gln Asp Cys Val Ile Arg Ile Phe Ser Glu Ser Lys Asp
 115 120 125
 Ser Lys Ala His Gly Ile
 130

<210> 2367
 <211> 125
 <212> PRT
 <213> Mus musculus

<400> 2367
 Leu Ala Cys Gln Asp Thr Gly Arg Asn Arg Gly Pro Arg Cys Leu Trp
 1 5 10 15
 Pro Glu Pro Ile Ile Leu Val Phe Pro Ala Thr Leu Ile Leu Gly Ser
 20 25 30
 Tyr Gly His Ile Ala Lys Ala Val Leu Lys Val Lys Ser Thr Ala Gly
 35 40 45
 Arg Arg Lys Ala Phe Gly Thr Cys Gly Ser His Leu Leu Val Val Ser
 50 55 60
 Leu Phe Tyr Gly Ser Ala Ile Tyr Thr Tyr Leu Gln Pro Lys Ser Ser
 65 70 75 80
 Tyr Ser Glu Ser Asp Gly Lys Phe Val Ala Leu Phe Tyr Thr Ile Val
 85 90 95
 Thr Pro Met Leu Asn Pro Leu Ile Tyr Thr Leu Arg Asn Lys Asp Val
 100 105 110
 Lys Gly Ala Leu Trp Lys Val Leu Gly Arg Gly Thr Asp
 115 120 125

<210> 2368
 <211> 258
 <212> PRT
 <213> Mus musculus

<400> 2368
 Trp Thr Ser Gly Leu Arg Thr Pro Met Tyr Phe Phe Leu Arg Gln Leu

1				5					10					15		
Ala	Leu	Val	Glu	Ile	Cys	Phe	Ser	Leu	Asp	Val	Ala	Pro	Arg	Leu	Leu	
			20					25					30			
Val	Thr	Leu	Leu	Gln	Pro	Gly	Arg	Gly	Val	Ser	Pro	Thr	Ser	Cys	Ala	
		35					40					45				
Leu	Gln	Leu	Leu	Leu	Val	Leu	Ser	Cys	Val	Thr	Ser	Glu	Cys	Phe	Leu	
	50					55					60					
Leu	Met	Val	Met	Ala	Trp	Asp	Arg	Phe	Leu	Ala	Ile	Cys	Arg	Pro	Leu	
65					70					75					80	
Arg	Tyr	Gly	Ala	Ile	Met	Ser	Pro	Gln	Leu	Cys	Tyr	Leu	Leu	Ala	Thr	
				85					90					95		
Thr	Cys	Trp	Leu	Ala	Gly	Ile	Pro	Val	Ala	Leu	Val	Phe	Thr	Ile	Trp	
			100					105					110			
Leu	Phe	Asn	Phe	Pro	Phe	Cys	Gly	Pro	Arg	Gly	Ile	Arg	His	Phe	Phe	
		115					120					125				
Cys	Asp	Ile	Ala	Pro	Leu	Leu	Ser	Leu	Val	Cys	Ala	Asp	Thr	Arg	Val	
	130					135					140					
Phe	Glu	Ala	Asn	Val	Phe	Val	Ala	Thr	Val	Leu	Val	Ile	Met	Val	Pro	
145					150					155					160	
Phe	Cys	Leu	Ile	Ala	Thr	Ser	Tyr	Val	Met	Ile	Leu	Val	Ala	Val	Leu	
				165				170						175		
Arg	Met	Pro	Ser	Ala	Ser	Gly	Arg	His	Lys	Ala	Leu	Ser	Thr	Cys	Ala	
			180					185					190			
Ser	His	Leu	Ile	Val	Val	Ile	Leu	Phe	Tyr	Gly	Thr	Thr	Gly	Val	Ile	
		195					200					205				
His	Leu	Arg	Pro	Lys	Ala	Ser	Tyr	Ser	Pro	Glu	Ser	Lys	Gln	Val	Val	
	210					215					220					
Ser	Leu	Ser	Tyr	Thr	Met	Val	Thr	Pro	Met	Leu	Asn	Pro	Leu	Ile	Tyr	
225					230					235					240	
Ser	Leu	Arg	Asn	Lys	Glu	Val	Lys	Ala	Ala	Phe	Gly	Arg	Val	Cys	Cys	
				245					250					255		

Gly Arg

<210> 2369

<211> 233

<212> PRT

<213> Mus musculus

<400> 2369

Pro	Gln	Met	Leu	Ala	Ile	Phe	Trp	Phe	Arg	Val	Leu	Phe	Leu	Ala	Phe	
1				5				10						15		
Asp	Ala	Cys	Leu	Ala	Gln	Leu	Phe	Phe	Ile	His	Ile	Leu	Gln	Gly	Met	
			20					25					30			
Glu	Ser	Gly	Ile	Leu	Leu	Ala	Met	Ala	Phe	Asp	Arg	Tyr	Ile	Ala	Ile	
		35					40					45				
Cys	Asp	Pro	Leu	Arg	His	Thr	Ser	Ile	Leu	Lys	Pro	Ser	Ile	Leu	Gly	
	50					55					60					
Arg	Met	Ile	Val	Val	Val	Val	Ile	Gln	Ala	Val	Val	Leu	Val	Gly	Leu	
65					70					75					80	
Leu	Pro	Ile	Leu	Ile	Lys	Arg	Leu	His	His	Phe	Gln	Ser	Ile	Gln	Ile	
				85					90					95		
Ala	His	Ser	Tyr	Cys	Glu	His	Met	Thr	Val	Val	Lys	Leu	Ala	Ala	Asn	
			100					105					110			
Arg	Val	Gln	Val	Asn	Lys	Ile	Cys	Gly	Leu	Phe	Val	Gly	Leu	Ser	Val	
		115					120					125				
Leu	Gly	Phe	Asp	Met	Phe	Phe	Ile	Leu	Ile	Ser	Tyr	Ala	Leu	Ile	Phe	
	130					135					140					

Ala	Val	Phe	His	Leu	Lys	Gln	Lys	Glu	Ala	Arg	Leu	Lys	Ala	Phe	Asn
145					150					155					160
Thr	Cys	Thr	Ala	His	Ile	Phe	Val	Phe	Leu	Glu	Phe	Tyr	Ile	Leu	Ala
				165					170					175	
Phe	Phe	Ser	Phe	Leu	Ser	His	Arg	Leu	Gly	His	Val	Val	Pro	Ser	Thr
			180					185					190		
His	Ile	Leu	Leu	Ser	Thr	Ile	Tyr	Leu	Leu	Leu	Pro	Pro	Ala	Leu	Asn
		195					200					205			
Pro	Ile	Val	Tyr	Gly	Val	Lys	Ser	Met	Val	Ile	Lys	Arg	Val	Ala	Gln
	210					215					220				
Ile	Phe	Phe	Leu	Asp	His	Ala	His	Gln							
225					230										

<210> 2370

<211> 180

<212> PRT

<213> Mus musculus

<400> 2370

Met	Leu	Ser	Ser	Leu	Lys	Thr	Asn	Asn	Val	Thr	Tyr	Leu	Asn	Pro	Gly
1				5					10					15	
Thr	Val	Ile	Leu	Ile	Gly	Ile	Pro	Gly	Leu	Glu	His	Val	Gln	Phe	Trp
			20					25					30		
Ile	Gly	Phe	Pro	Phe	Phe	Thr	Val	Cys	Leu	Val	Ala	Leu	Leu	Gly	Asn
		35					40					45			
Ile	Ile	Leu	Leu	Ile	Ile	Ile	Pro	Ala	Glu	His	Ser	Leu	His	Gln	Pro
	50					55					60				
Met	Tyr	Ile	Phe	Leu	Ala	Val	Leu	Ala	Ala	Thr	Asp	Ile	Gly	Leu	Cys
65					70					75					80
Ala	Ala	Ile	Ala	Pro	Lys	Met	Leu	Ala	Ile	Phe	Trp	Phe	Arg	Ala	Tyr
				85					90					95	
Ser	Met	Ala	Phe	Asp	Ala	Cys	Leu	Ala	Gln	Leu	Phe	Phe	Ile	His	Thr
			100					105					110		
Leu	Gln	Gly	Met	Glu	Ser	Gly	Ile	Leu	Leu	Ala	Met	Ala	Phe	Asp	Arg
		115					120					125			
Tyr	Ile	Ala	Ile	Cys	Asp	Pro	Leu	Arg	His	Thr	Ser	Ile	Leu	Thr	Pro
	130					135					140				
Leu	Leu	Gly	Arg	Met	Ile	Val	Val	Val	Val	Ile	Arg	Ala	Val	Val	Leu
145					150					155					160
Val	Gly	Leu	Leu	Pro	Ile	Val	Ile	Lys	Arg	Leu	His	His	Phe	Arg	Ser
				165					170					175	
Ile	Gln	Ile	Ala												
			180												

<210> 2371

<211> 312

<212> PRT

<213> Mus musculus

<400> 2371

Ile	Glu	Lys	His	Asn	Leu	Thr	Met	Val	Thr	Glu	Phe	Ile	Leu	Val	Gly
1				5					10					15	
Ile	Thr	Asp	His	Pro	Glu	Leu	Gln	Ala	Pro	Leu	Phe	Gly	Leu	Phe	Leu
			20					25					30		
Leu	Ile	Tyr	Leu	Ile	Ser	Leu	Ile	Gly	Asn	Leu	Gly	Met	Ile	Ile	Phe
		35					40					45			
Thr	Met	Val	Asn	Ser	Arg	Leu	Lys	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Arg

50		55		60
His Leu Ala Thr Thr Val Leu Gly Tyr Ser Thr Ala Val Gly Pro Lys				
65		70		80
Met Leu Gln Asn Phe Leu Val Asp Gln Asn Thr Ile Ser Phe His Leu				
	85		90	95
Cys Ala Ile Gln Leu Ser Phe Phe Ser Met Phe Ile Ala Cys Glu Ile				
	100		105	110
Tyr Ile Leu Ser Ala Met Ser Tyr Asp His Tyr Val Ala Ile Cys Lys				
	115		120	125
Pro Leu Phe Tyr Met Val Ile Met Ser Lys Arg Leu Cys Trp Val Leu				
	130		135	140
Val Val Ile Pro Tyr Val Tyr Cys Thr Ile Val Ala Leu Leu Ile Thr				
145		150		160
Ile Lys Ile Phe Thr Leu Ser Phe Cys Gly Ser Asn Val Ile Ser His				
	165		170	175
Phe Tyr Cys Asp Ser Leu Pro Leu Leu Ser Leu Val Cys Ser Asn Thr				
	180		185	190
Gln Glu Ile Glu Val Val Leu Leu Tyr Leu Ser Ala Phe Asn Leu Ile				
	195		200	205
Ser Ser Leu Leu Leu Val Leu Val Ser Tyr Leu Leu Ile Leu Ile Ala				
	210		215	220
Ile Leu Arg Met Asn Ser Ala Glu Gly Arg Arg Lys Ala Phe Ser Thr				
225		230		240
Gly Ser His Leu Thr Met Val Thr Val Phe Tyr Gly Thr Leu Ile Phe				
	245		250	255
Met Tyr Met Gln Pro Lys Ser Asn His Ser Phe Asp Thr Asp Lys Val				
	260		265	270
Ala Ser Ile Phe Tyr Thr Met Val Ile Pro Met Phe Asn Pro Leu Ile				
	275		280	285
Tyr Ser Leu Arg Asn Lys Asp Val Lys Asp Ala Leu Leu Arg Thr Trp				
	290		295	300
Lys Lys Lys Tyr Met Val Phe Phe				
305		310		

<210> 2372

<211> 314

<212> PRT

<213> Mus musculus

<400> 2372

Met Gly Gln Gln Asn Thr Thr Ser Leu Pro Gly Phe Ile Leu Met Gly				
1		5		10
Ile Thr Gln Arg Thr Glu Leu Gln Leu Pro Leu Phe Gly Ala Phe Phe				
	20		25	30
Ile Ile Tyr Ala Val Thr Val Met Gly Asn Leu Gly Met Ile Ile Leu				
	35		40	45
Thr Lys Leu Asp Ser His Leu Glu Thr Pro Met Tyr Phe Phe Ile Arg				
	50		55	60
His Leu Ala Phe Ile Asp Leu Gly Asn Ser Thr Val Ile Cys Pro Lys				
65		70		80
Met Leu Val Asp Phe Val Met Asn Asp Lys Thr Ile Ser Phe Cys Glu				
	85		90	95
Cys Ala Thr Gln Leu Ser Phe Leu Pro Val Met Phe Ile Ile Thr Glu				
	100		105	110
Phe Phe Ile Leu Ser Ala Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys				
	115		120	125
Asn Pro Leu Leu Tyr Ser Val Ile Met Ser Gln Arg Leu Cys His Val				
	130		135	140

Leu	Val	Gly	Ile	Pro	Tyr	Leu	Tyr	Ser	Thr	Val	Gln	Ala	Leu	Leu	Val
145					150					155					160
Thr	Ser	Arg	Ile	Phe	Thr	Ser	Thr	Phe	Cys	Gly	Ser	Asn	Ile	Ile	Ser
				165					170						175
His	Phe	Tyr	Cys	Asp	Gly	Ile	Phe	Leu	Leu	Pro	Met	Leu	Cys	Ser	Asn
			180					185					190		
Ala	Glu	Glu	Ile	Gln	Leu	Val	Ile	Ser	Phe	Ser	Ala	Leu	Asn	Leu	
		195					200				205				
Ile	Ser	Ser	Phe	Leu	Val	Val	Leu	Gly	Ser	Tyr	Val	Leu	Ile	Leu	Ile
	210					215					220				
Ala	Ile	Cys	Arg	Met	His	Ser	Ala	Glu	Gly	Arg	Arg	Lys	Ala	Phe	Ser
225					230					235					240
Thr	Cys	Gly	Ser	His	Leu	Thr	Val	Val	Val	Val	Phe	Tyr	Gly	Thr	Leu
				245					250						255
Phe	Phe	Met	Tyr	Leu	Gln	Pro	Lys	Ser	Thr	Asp	Ser	Leu	Glu	Asn	Asp
			260					265					270		
Lys	Ile	Ala	Ser	Val	Phe	Tyr	Thr	Leu	Val	Ile	Pro	Met	Leu	Asn	Pro
		275					280					285			
Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Lys	Asn	Ala	Phe	Tyr	Arg
	290					295					300				
Val	Leu	Lys	Gly	Gln	Phe	Lys	Ile	Asn	Thr						
305					310										

<210> 2373

<211> 305

<212> PRT

<213> Mus musculus

<400> 2373

Met	Glu	Leu	Asn	Arg	Thr	Gln	Leu	Thr	Glu	Phe	Val	Leu	Arg	Gly	Ile
1				5					10					15	
Thr	Asp	Arg	Ser	Glu	Leu	Gln	Val	Pro	Leu	Phe	Leu	Val	Phe	Phe	Leu
			20					25					30		
Ile	Tyr	Val	Ile	Thr	Met	Val	Gly	Asn	Leu	Gly	Leu	Ile	Phe	Val	Ile
		35					40					45			
Trp	Lys	Asp	Pro	His	Leu	His	Thr	Pro	Met	Tyr	Leu	Phe	Leu	Gly	Asn
	50					55					60				
Leu	Ala	Phe	Ala	Asp	Ala	Cys	Asn	Ser	Ser	Ser	Val	Thr	Pro	Lys	Met
65					70					75					80
Leu	Met	Lys	Phe	Leu	Asn	Lys	Asn	Asp	Met	Ile	Ser	Met	Gly	Glu	Cys
				85					90					95	
Phe	Ala	Gln	Phe	Tyr	Phe	Phe	Cys	Ser	Ser	Val	Thr	Ala	Glu	Ala	Phe
			100					105					110		
Ile	Leu	Val	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro
	115						120					125			
Leu	Leu	Tyr	Val	Val	Val	Met	Ser	Asn	Arg	Leu	Cys	Ile	Gln	Phe	Ile
	130					135					140				
Gly	Val	Ser	Tyr	Leu	Ile	Gly	Leu	Leu	His	Gly	Leu	Leu	His	Val	Gly
145					150					155					160
Leu	Leu	Phe	Arg	Leu	Thr	Phe	Cys	Ser	Ser	Asn	Val	Ile	Asp	His	Phe
				165					170					175	
Tyr	Cys	Asp	Ile	Leu	Pro	Leu	Tyr	Arg	Ile	Ser	Cys	Thr	Asp	Pro	Ser
			180					185					190		
Ile	Asn	Val	Leu	Val	Ala	Phe	Ile	Met	Gly	Ile	Leu	Ile	Gln	Val	Ser
		195					200					205			
Thr	Phe	Met	Ser	Ile	Ile	Val	Ser	Tyr	Val	Arg	Val	Leu	Phe	Ala	Ile
	210					215					220				
Leu	Arg	Thr	Lys	Ser	Glu	Arg	Gly	Arg	Asn	Lys	Ala	Phe	Ser	Thr	Cys

225					230					235				240	
Ser	Ser	His	Leu	Ser	Ser	Val	Ser	Leu	Phe	Tyr	Gly	Thr	Leu	Phe	Ile
				245					250					255	
Ile	Tyr	Val	Leu	Ser	Gly	Ser	Asp	Thr	Asp	Asn	Tyr	Gln	Gly	Lys	Met
			260					265					270		
Tyr	Ser	Leu	Phe	Tyr	Thr	Ile	Ile	Ile	Pro	Leu	Leu	Asn	Pro	Phe	Ile
		275					280					285			
Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Ile	Gly	Ala	Leu	Arg	Lys	Leu	Arg
	290					295					300				
Glu															
305															

<210> 2374
 <211> 272
 <212> PRT
 <213> Mus musculus

<400> 2374															
Met	Glu	Met	Asp	Asn	Thr	Thr	Leu	Leu	Ile	Gln	Phe	Val	Leu	Ser	Gly
1				5					10					15	
Leu	Val	His	Leu	Pro	Gln	Trp	Lys	Ile	Pro	Leu	Phe	Leu	Leu	Phe	Leu
			20					25					30		
Val	Ile	Tyr	Leu	Ile	Thr	Ile	Val	Gly	Asn	Leu	Gly	Leu	Ile	Thr	Leu
		35					40					45			
Ile	Trp	Asn	Asp	Pro	His	Leu	His	Ile	Pro	Met	Tyr	Phe	Phe	Leu	Gly
	50					55					60				
Ser	Leu	Ala	Phe	Val	Asp	Thr	Trp	Leu	Ser	Ser	Thr	Val	Thr	Pro	Lys
65					70					75					80
Met	Leu	Gln	Asp	Ile	Phe	Ala	Lys	Asn	Lys	Met	Ile	Ser	Phe	Ser	Glu
				85					90					95	
Cys	Met	Ile	Gln	Phe	Phe	Ser	Phe	Gly	Ile	Ser	Ala	Thr	Thr	Glu	Cys
			100					105					110		
Phe	Leu	Leu	Ala	Ser	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys
			115				120					125			
Pro	Leu	Leu	Tyr	Pro	Val	Ile	Met	Thr	Asn	Arg	Leu	Cys	Val	Arg	Leu
	130					135					140				
Leu	Thr	Leu	Ser	Phe	Val	Gly	Gly	Phe	Ile	His	Ala	Leu	Ile	His	Glu
145					150					155					160
Gly	Phe	Leu	Phe	Arg	Leu	Ile	Phe	Cys	Ser	Ser	His	Ile	Ile	Asp	His
				165					170					175	
Phe	Tyr	Cys	Asp	Val	Met	Pro	Leu	Leu	Lys	Ile	Ser	Cys	Asn	Asp	Pro
			180					185					190		
Ser	Ile	Asn	Tyr	Leu	Met	Leu	Phe	Ile	Phe	Ser	Gly	Ser	Ile	Gln	Val
		195					200					205			
Phe	Thr	Ile	Thr	Thr	Ile	Leu	Val	Ser	Tyr	Thr	Leu	Val	Leu	Phe	Ser
	210					215					220				
Ile	Leu	Lys	Gln	Lys	Ser	Leu	Lys	Ser	Ile	Lys	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Gly	Ala	His	Leu	Leu	Ser	Val	Ser	Leu	Tyr	Tyr	Gly	Pro	Leu	Leu
				245					250					255	
Phe	Met	Tyr	Val	Arg	Pro	Ala	Ser	Pro	Gln	Val	Asn	Asp	Glu	Asp	Met
			260					265					270		

<210> 2375
 <211> 156
 <212> PRT
 <213> Mus musculus

<400> 2375

```
Leu Met His Thr Leu Leu Ala Ala Arg Leu Ser Phe Cys Glu Asn Asn
 1          5          10
Val Ile Leu Asn Phe Phe Cys Asp Leu Phe Val Leu Leu Lys Leu Ala
      20          25          30
Cys Ser Asp Thr Tyr Val Asn Glu Leu Met Ile Phe Ile Met Ser Ser
      35          40          45
Leu Leu Ile Val Ile Pro Phe Phe Leu Ile Val Met Ser Tyr Ala Arg
      50          55          60
Ile Ile Ala Ser Ile Leu Lys Val Pro Ser Ile Gln Gly Ile Tyr Lys
65          70          75          80
Val Phe Ser Thr Cys Gly Ser His Leu Ser Val Val Thr Leu Phe Tyr
      85          90          95
Gly Thr Ile Ile Gly Leu Tyr Leu Cys Pro Ser Gly Asn Asn Ser Thr
      100          105          110
Val Lys Gly Thr Val Met Ala Met Met Tyr Thr Val Val Thr Pro Met
      115          120          125
Leu Asn Pro Phe Ile Tyr Ser Leu Arg Asn Arg Asp Met Lys Arg Ala
      130          135          140
Leu Ile Arg Val Ile Cys Ser Lys Lys Ile Ser Leu
145          150          155
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<210> 2376

<211> 152

<212> PRT

<213> Mus musculus

<400> 2376

```
Met Asp Tyr Leu Asn Thr Ser Ser Glu Glu Gly Phe Ile Leu Val Gly
 1          5          10
Phe Ser Asp Trp Pro His Leu Glu Pro Ile Leu Phe Ala Phe Ile Ser
      20          25          30
Met Phe Tyr Ser Leu Thr Leu Phe Gly Asn Thr Val Ile Ile Ile Leu
      35          40          45
Ser Gln Leu Asp Leu Arg Leu His Thr Pro Met Tyr Tyr Phe Leu Cys
      50          55          60
His Leu Ser Phe Leu Asp Leu Cys Tyr Thr Ala Ser Thr Val Pro Gln
65          70          75          80
Leu Leu Val Asn Leu Ser Gly Leu Asp Arg Thr Ile Ser Phe Gly Arg
      85          90          95
Cys Val Ala Gln Leu Phe Ile Met Leu Ser Leu Gly Gly Ile Glu Cys
      100          105          110
Val Leu Leu Val Ala Met Ala Ile Asp Arg Tyr Ala Ala Val Cys Arg
      115          120          125
Pro Leu His Tyr Thr Thr Ile Met His Pro Val Leu Cys Arg Ala Leu
      130          135          140
Val Val Phe Ser Trp Val Gly Gly
145          150
```

<210> 2377

<211> 191

<212> PRT

<213> Mus musculus

<400> 2377

```
Met Ala Leu Arg Asn Ala Ser Ser Val Lys Glu Phe Ile Leu Leu Gly
```


<210> 2379
 <211> 177
 <212> PRT
 <213> Mus musculus

<400> 2379
 Ser His Lys Val Cys Trp Leu Leu Val Thr Met Thr Tyr Leu Tyr Cys
 1 5 10 15
 Thr Phe Met Ser Leu Val Val Thr Ile Asn Ile Phe Ser Leu Ser Phe
 20 25 30
 Cys Gly Tyr Asn Val Ile Asn His Phe Phe Cys Asp Cys Ile Pro Leu
 35 40 45
 Ile Ser Leu Leu Cys Ser Asn Thr Gln Glu Val Glu Leu Ile Val Met
 50 55 60
 Phe Phe Ala Ala Phe Asp Leu Ile Ser Ser Leu Val Val Val Leu Met
 65 70 75 80
 Tyr Tyr Leu Leu Ile Phe Ile Ala Val Leu Arg Met Asn Ser Ala Glu
 85 90 95
 Gly Arg Arg Lys Ala Phe Ser Thr Cys Gly Ser His Leu Thr Val Val
 100 105 110
 Thr Leu Phe Tyr Gly Thr Leu Ile Phe Met Tyr Val Lys Pro Val Ser
 115 120 125
 Ser His Ser Ile Asp Thr Glu Lys Ile Ser Ser Ile Leu Tyr Thr Leu
 130 135 140
 Ile Ile Pro Leu Leu Asn Pro Leu Val Tyr Ser Leu Arg Asn Lys Asp
 145 150 155 160
 Val Lys Glu Ala Leu Gln Arg Thr Cys Gln Lys Ile Phe Asn Thr Phe
 165 170 175
 Ser

<210> 2380
 <211> 129
 <212> PRT
 <213> Mus musculus

<400> 2380
 Leu Asn Gln Leu Ser Gln Leu Thr Cys Ser Asp Ser Phe Ser Ser Gln
 1 5 10 15
 Leu Ile Met Asn Leu Val Pro Val Leu Leu Ala Val Ile Ser Phe Ser
 20 25 30
 Ser Ile Leu Tyr Ser Tyr Phe Lys Ile Val Ser Ser Ile Cys Ser Ile
 35 40 45
 Ser Ser Val Gln Gly Lys Tyr Lys Ala Phe Ser Thr Cys Val Ser His
 50 55 60
 Leu Ser Ile Val Ser Leu Phe Tyr Ser Thr Gly Leu Gly Val Tyr Val
 65 70 75 80
 Ser Ser Val Val Ile Gln Ser Ser His Ser Ala Ala Arg Ala Ser Val
 85 90 95
 Met Tyr Thr Val Val Thr Pro Met Leu Asn Pro Phe Ile Tyr Ser Leu
 100 105 110
 Arg Asn Lys Asp Val Lys Lys Ala Val Glu Arg Leu Leu Glu Gly Lys
 115 120 125
 Leu

<210> 2381
 <211> 168
 <212> PRT
 <213> Mus musculus

<400> 2381
 Met Ala Lys Asn Asn Ala Thr Thr Ile Asn Gly Phe Ile Leu Met Gly
 1 5 10 15
 Phe Ser Asp His Pro Lys Glu Ile Pro Leu Leu Leu Val Phe Leu Ser
 20 25 30
 Phe Tyr Leu Val Thr Met Leu Gly Asn Leu Gly Met Val Ile Phe Ile
 35 40 45
 His Val Asp Val Gln Leu His Ile Pro Met Tyr Phe Phe Leu Ser His
 50 55 60
 Leu Ser Val Leu Asp Ala Cys Tyr Thr Ser Val Ile Thr Pro Gln Ile
 65 70 75 80
 Leu Ala Thr Leu Ala Thr Gly Lys Thr Val Ile Ser Tyr Gly Cys Cys
 85 90 95
 Ala Thr Gln Phe Phe Phe Phe Thr Ile Tyr Ala Gly Thr Glu Cys Phe
 100 105 110
 Thr Asn Thr Phe Ser Leu Ser Phe Cys Glu Asn Gln Ser Ile Phe Phe
 115 120 125
 Phe Phe Tyr Asp Leu Pro Pro Leu Leu Lys Leu Ala Cys Ser Asp Thr
 130 135 140
 Ile Asn Met Val Glu Ile Ile Ile Val Phe Phe Gly Asn Phe Val Ile
 145 150 155 160
 Leu Ala Asn Tyr Cys Val Pro Leu
 165

<210> 2382
 <211> 109
 <212> PRT
 <213> Mus musculus

<400> 2382
 Leu Val Leu Ala Phe His Ser Gln Tyr Arg Ser His Leu Ile Leu Tyr
 1 5 10 15
 Leu Leu Ile Ile Arg Val Val Met Arg Met Lys Ser Ser Gly Arg Arg
 20 25 30
 Ala Lys Thr Phe Ser Thr Cys Val Ser His Leu Thr Ala Val Ala Leu
 35 40 45
 Leu Leu Gly Thr Leu Gly Phe Met Tyr Ile Arg Ser Gly Ser Glu Asp
 50 55 60
 Lys Gly Met Ser Val Phe Tyr Thr Val Val Ile Pro Met Leu Asn Pro
 65 70 75 80
 Leu Ile Tyr Ser Leu Arg Asn Lys Asp Val Lys Ala Ala Phe Lys Lys
 85 90 95
 Ile Thr Gly Lys Cys Gln Phe Ser His Ser Thr Gln His
 100 105

<210> 2383
 <211> 194
 <212> PRT
 <213> Mus musculus

<400> 2383

Arg	Tyr	Val	Ala	Ile	Cys	Thr	Pro	Leu	Arg	Tyr	Ala	Ile	Ile	Ile	Thr
1				5					10					15	
Pro	Lys	Leu	Cys	Thr	Gln	Leu	Ser	Thr	Gly	Ser	Phe	Thr	Leu	Gly	Phe
		20						25					30		
Leu	Met	Leu	Leu	Pro	Glu	Ile	Val	Trp	Ile	Ser	Thr	Leu	Pro	Phe	Cys
	35						40					45			
Gly	Pro	Asn	Gln	Ile	His	Gln	Leu	Phe	Cys	Asp	Leu	Glu	Pro	Met	Leu
	50					55					60				
Leu	Leu	Ala	Cys	Thr	Asp	Thr	Ser	Met	Ile	Leu	Val	Glu	Asp	Val	Ile
65					70					75					80
His	Ala	Ile	Ser	Ile	Leu	Ser	Cys	Val	Ser	Ile	Ile	Ser	Leu	Ser	Tyr
			85						90					95	
Leu	Arg	Ile	Ile	Thr	Val	Val	Leu	Lys	Ile	Pro	Ser	Gly	Glu	Ser	Arg
			100					105					110		
Gln	Lys	Ala	Phe	Ser	Thr	Cys	Thr	Ala	His	Ile	Thr	Ile	Phe	Val	Leu
		115					120					125			
Phe	Phe	Gly	Ser	Val	Ala	Leu	Met	Tyr	Leu	Arg	Phe	Ser	Val	Thr	Phe
	130					135					140				
Gln	Pro	Leu	Leu	Glu	Lys	Val	Ile	Ala	Leu	Met	Phe	Ala	Val	Leu	Ala
145					150					155					160
Pro	Phe	Phe	Asn	Pro	Ile	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Met	Lys
			165						170					175	
Asp	Ala	Ile	Lys	Lys	Met	Phe	Gly	Ser	Gln	Lys	Ile	Leu	Thr	Val	Ser
		180						185					190		
Gly	Ser														

<210> 2384

<211> 164

<212> PRT

<213> Mus musculus

<400> 2384

Met	Thr	Ala	Arg	Asn	Met	Thr	Thr	Met	Ser	Gly	Phe	Leu	Leu	Val	Gly
1				5					10					15	
Phe	Ser	Asp	Asn	His	Glu	Leu	Gln	Ile	Leu	Gln	Ala	Leu	Leu	Phe	Leu
		20						25					30		
Val	Thr	Tyr	Leu	Leu	Gly	Ser	Ala	Gly	Asn	Phe	Ile	Ile	Ile	Thr	Ile
	35						40					45			
Thr	Thr	Leu	Asp	Pro	Gln	Leu	Gln	Ser	Pro	Met	Tyr	Tyr	Phe	Leu	Lys
	50					55					60				
His	Leu	Ser	Ile	Leu	Asp	Leu	Ser	Ser	Leu	Ser	Val	Thr	Ile	Pro	Gln
65					70					75					80
Tyr	Val	Asp	Ser	Ser	Leu	Ala	Arg	Ser	Gly	Tyr	Ile	Ser	Tyr	Ala	Gln
			85						90					95	
Cys	Met	Leu	Gln	Ile	Phe	Phe	Phe	Ala	Ser	Phe	Ala	Trp	Gly	Glu	Leu
			100					105					110		
Gly	Thr	Leu	Thr	Val	Met	Ser	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Leu
		115					120					125			
Pro	Leu	His	Tyr	Glu	Val	Ile	Met	Ser	Pro	Arg	Lys	Cys	Thr	Trp	Ala
	130					135					140				
Val	Ala	Ala	Val	Trp	Leu	Ser	Gly	Arg	Tyr	Leu	Gly	Thr	Leu	Phe	Thr
145					150					155					160
Ala	Ser	Thr	Leu												

<210> 2385

<211> 106
 <212> PRT
 <213> Mus musculus

<400> 2385
 Leu Tyr Gly Gly Ile Asn Phe Leu Leu Thr Leu Leu Ser Tyr Gly Cys
 1 5 10 15
 Ile Ile Ala Ser Ile Leu His Met Arg Ser Ala Glu Gly Lys Arg Lys
 20 25 30
 Ala Phe Ser Thr Cys Ser Ser His Leu Ile Val Val Ser Val Tyr Tyr
 35 40 45
 Ser Ser Leu Phe Cys Ala Tyr Ile Ser Pro Ala Ser Ser Tyr Ser Pro
 50 55 60
 Glu Arg Ser Lys Phe Thr Ser Phe Phe Tyr Ser Val Leu Ser Pro Thr
 65 70 75 80
 Leu Asn Pro Leu Ile Tyr Thr Leu Arg Asn Lys Asp Val Lys Leu Ala
 85 90 95
 Leu Arg Arg Leu Leu Pro Ser Leu Ser Asn
 100 105

<210> 2386
 <211> 302
 <212> PRT
 <213> Mus musculus

<400> 2386
 Glu Lys Lys Asn His Thr Val Val Ser Glu Phe Leu Phe Gln Gly Phe
 1 5 10 15
 Ser Ser Phe Gln Glu Tyr Lys Phe Thr Leu Phe Met Val Phe Leu Thr
 20 25 30
 Leu Tyr Leu Leu Thr Leu Thr Ser Asn Ala Ile Ile Met Ile Ile Ile
 35 40 45
 Gly Ile Glu Cys His Arg His Thr Pro Met Tyr Phe Phe Leu Ser Met
 50 55 60
 Ile Ser Thr Ser Glu Thr Val Tyr Thr Leu Val Ile Val Pro Ser Met
 65 70 75 80
 Leu Ala Ser Leu Val Gly Ser Ser Gln Ser Ile Ser Leu Ala Gly Cys
 85 90 95
 Ala Thr Gln Met Phe Val Phe Ile Thr Leu Ala Ile Asn Asn Cys Phe
 100 105 110
 Leu Leu Thr Ala Met Gly Tyr Asp Arg Tyr Val Ala Ile Cys Asn Pro
 115 120 125
 Leu Arg Ser Ser Val Ile Met Asn Lys Arg Val Cys Ala Gln Leu Val
 130 135 140
 Trp Gly Ser Cys Asn Ile Gly Leu Gln Ile Ala Ser Val Phe Arg Ala
 145 150 155 160
 Pro Phe Cys Asp Arg Glu Val Ala His Tyr Phe Cys Asp Pro Val Met
 165 170 175
 Lys Leu Ser Cys Ala Asp Thr Thr Leu His Asp Ile Val Asn Phe Ile
 180 185 190
 Ile Ser Ser Leu Val Ile Val Val Pro Met Gly Leu Val Phe Ile Ser
 195 200 205
 Tyr Ile Leu Ile Ile Ser Thr Ile Leu Lys Ile Ala Ser Ala Glu Gly
 210 215 220
 Arg Lys Lys Ala Phe Ala Thr Cys Ala Ser His Leu Thr Val Val Ile
 225 230 235 240
 Ile His Tyr Gly Cys Ala Ser Ile Ala Tyr Leu Lys Pro Lys Ser Glu
 245 250 255

Asn	Thr	Arg	Asp	Gln	Asp	Gln	Leu	Ile	Ser	Val	Thr	Tyr	Thr	Val	Phe
			260					265					270		
Asn	Pro	Leu	Leu	Asn	Pro	Val	Val	Tyr	Thr	Leu	Arg	Asn	Lys	Glu	Val
		275					280					285			
Lys	Asp	Ala	Ile	Tyr	Arg	Ala	Ile	Gly	Lys	Lys	Pro	Phe	Ala		
	290					295					300				

<210> 2387
 <211> 238
 <212> PRT
 <213> Mus musculus

<400> 2387

Met	Glu	Pro	Tyr	Asn	Leu	Thr	Gly	Thr	Leu	Glu	Phe	Ile	Leu	Leu	Gly
1				5					10				15		
Leu	Ser	Glu	Asp	Pro	Glu	Leu	Gln	Leu	Ile	Leu	Phe	Ala	Leu	Phe	Leu
			20					25					30		
Leu	Ile	Tyr	Met	Leu	Thr	Val	Leu	Gly	Asn	Val	Leu	Ile	Ile	Leu	Ala
		35					40					45			
Ile	Ser	Ser	Asp	Ser	His	Leu	His	Ser	Pro	Met	Tyr	Phe	Phe	Leu	Tyr
	50					55					60				
Asn	Leu	Ser	Leu	Ser	Asp	Met	Gly	Phe	Ser	Ser	Thr	Thr	Ile	Pro	Lys
65					70					75					80
Met	Leu	Ile	Asn	Leu	His	Ala	His	Asn	Arg	Ser	Ile	Thr	Tyr	Ala	Glu
			85						90					95	
Cys	Leu	Thr	Gln	Val	Ser	Phe	Phe	Phe	Leu	Phe	Gly	Gly	Met	Asp	Ser
			100					105					110		
Leu	Leu	Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg	Trp	Val	Ala	Ile	Cys	His
		115					120					125			
Pro	Leu	Tyr	Tyr	Gln	Val	Ile	Leu	Ser	Pro	Cys	Leu	Cys	Arg	Cys	Leu
	130					135					140				
Val	Ile	Val	Ser	Leu	Phe	Ile	Ser	Leu	Val	Ser	Ser	Gln	Val	His	Cys
145					150					155					160
Leu	Leu	Val	Ser	Gln	Leu	Thr	Phe	Cys	Ile	Asn	Val	Glu	Ile	Pro	His
				165					170					175	
Phe	Phe	Cys	Asp	Val	Pro	Glu	Leu	Val	Lys	Leu	Ala	Cys	Ser	Asn	Thr
			180					185					190		
Thr	Ile	Ser	Asp	Ile	Val	Ile	Phe	Leu	Leu	Gly	Ile	Ile	Leu	Gly	Phe
		195					200					205			
Leu	Pro	Ala	Ser	Gly	Ile	Phe	Tyr	Ser	Tyr	Tyr	Lys	Ile	Thr	Ser	Ser
	210					215					220				
Ile	Phe	Arg	Val	Pro	Ser	Leu	Leu	Gly	Lys	Tyr	Lys	Ala	Phe		
225					230					235					

<210> 2388
 <211> 290
 <212> PRT
 <213> Mus musculus

<220>
 <221> VARIANT
 <222> (186)...(208)
 <223> Any amino acid

<400> 2388

Met	Arg	Gly	Asp	Asn	His	Ser	Cys	Phe	Trp	Asp	Thr	Pro	Lys	Asp	Phe
1				5					10					15	

Ile	Leu	Leu	Gly	Ile	Ser	Asp	Arg	Pro	Trp	Leu	Glu	Leu	Pro	Val	Phe
			20					25					30		
Ala	Val	Leu	Leu	Val	Phe	Tyr	Ile	Leu	Ala	Met	Leu	Gly	Asn	Ile	Ser
		35					40					45			
Ile	Ile	Leu	Val	Ser	Gln	Leu	Asp	Pro	Gln	Leu	His	Ser	Pro	Met	Tyr
	50					55					60				
Ile	Phe	Leu	Ser	His	Leu	Ser	Phe	Leu	Asp	Leu	Cys	Tyr	Thr	Thr	Thr
65					70					75					80
Thr	Val	Pro	Gln	Met	Leu	Phe	Asn	Met	Gly	Ser	Ser	Gln	Lys	Thr	Ile
				85					90					95	
Ser	Tyr	Gly	Gly	Cys	Thr	Val	Gln	Tyr	Ala	Ile	Phe	His	Trp	Leu	Gly
			100					105					110		
Cys	Thr	Glu	Cys	Val	Val	Leu	Ala	Ala	Met	Ala	Leu	Asp	Arg	Tyr	Val
		115					120					125			
Ala	Ile	Cys	Glu	Pro	Leu	Arg	Tyr	Ala	Ile	Ile	Met	His	Arg	Pro	Leu
	130					135					140				
Cys	Gln	Gln	Leu	Val	Ala	Met	Ala	Trp	Leu	Ser	Gly	Phe	Gly	Asn	Ser
145					150					155					160
Leu	Val	Gln	Val	Ile	Leu	Thr	Val	Gln	Leu	Pro	Phe	Cys	Gly	Arg	Gln
				165					170					175	
Val	Leu	Asn	Asn	Phe	Phe	Cys	Glu	Val	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa
		180						185					190		
Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Phe	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa
		195					200					205			
Gly	Arg	His	Lys	Ala	Phe	Gly	Thr	Cys	Ser	Ser	His	Leu	Leu	Val	Val
	210					215					220				
Ser	Leu	Phe	Tyr	Leu	Pro	Ala	Ile	Tyr	Met	Tyr	Leu	Gln	Pro	Pro	Ser
225					230					235					240
Ser	Tyr	Ser	Gln	Glu	Gln	Gly	Lys	Phe	Ile	Ser	Leu	Phe	Tyr	Ser	Ile
			245						250					255	
Ile	Thr	Pro	Thr	Leu	Asn	Pro	Phe	Ile	Tyr	Thr	Leu	Arg	Asn	Lys	Asp
			260					265					270		
Val	Lys	Gly	Ala	Leu	Arg	Arg	Leu	Leu	Ala	Arg	Thr	Gly	Arg	Leu	Cys
		275					280					285			
Gly	Arg														
	290														

<210> 2389

<211> 250

<212> PRT

<213> Mus musculus

<400> 2389

Leu	Ser	Phe	Ile	Asp	Ile	Cys	Tyr	Ser	Ser	Ser	Ile	Ser	Pro	Arg	Ile
1				5					10					15	
Leu	Ser	Asp	Phe	Leu	Lys	Thr	Glu	Lys	Thr	Ile	Ser	Phe	Ile	Ala	Cys
		20						25					30		
Ala	Thr	Gln	Asn	Phe	Val	Leu	Ala	Trp	Met	Gly	Ala	Ser	Glu	Cys	Cys
		35					40					45			
Leu	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Gly	Ser	Pro
	50					55				60					
Leu	Gln	Tyr	Ser	Ala	Ile	Met	Ala	Pro	Ser	Leu	Cys	Trp	Arg	Met	Val
65					70					75					80
Ala	Gly	Val	Tyr	Gly	Ser	Gly	Phe	Phe	Ile	Ser	Phe	Val	Gln	Gln	Ser
				85					90					95	
Ala	Cys	Phe	Asn	Leu	Tyr	Tyr	Cys	Gly	Pro	Asn	Val	Ile	Arg	His	Phe
			100					105					110		
Phe	Cys	Asp	Ile	Pro	Gln	Ile	Ile	Pro	Leu	Ser	Cys	Ser	Asp	Pro	Phe

Ile	Ser	Gln	Leu	Val	Leu	Phe	Leu	Ala	Ala	Leu	Phe	Val	Gly	Phe	Gly
	130					135					140				
Ser	Phe	Leu	Val	Ile	Ile	Phe	Ser	Tyr	Val	Phe	Ile	Ala	Val	Ser	Ile
145					150					155					160
Leu	Lys	Val	Ala	Ser	Phe	Glu	Gly	Arg	Val	Lys	Ala	Phe	Lys	Thr	Cys
				165					170					175	
Gly	Ser	His	Leu	Ala	Ala	Val	Thr	Leu	Phe	Tyr	Gly	Thr	Gly	Leu	Ser
			180					185					190		
Val	Tyr	Met	His	His	Ser	Ser	Gln	His	Ser	Thr	Lys	Gln	Asp	Lys	Val
	195						200					205			
Leu	Ser	Val	Val	Tyr	Thr	Ile	Leu	Ile	Pro	Met	Val	Asn	Pro	Leu	Ile
210					215						220				
Tyr	Ser	Leu	Arg	Asn	Thr	Glu	Ile	Lys	Glu	Ala	Leu	Lys	Arg	Val	Leu
225				230					235						240
Lys	Lys	Ala	Ala	His	Leu	Pro	Gln	Lys	Ala						
				245					250						

<210> 2390

<211> 301

<212> PRT

<213> Mus musculus

<400> 2390

Met	Trp	Pro	Ser	Val	Ile	Ala	Ile	Tyr	Leu	Phe	Gly	Trp	Asp	Ser	Gln
1				5					10					15	
Val	Ser	Arg	Asp	Phe	Lys	Thr	Val	Phe	Leu	Phe	Pro	Val	Leu	Thr	Tyr
			20					25					30		
Met	Leu	Ser	Ile	Gly	Gly	Asn	Gln	Asn	Thr	Asp	Ala	Phe	Thr	Leu	His
	35					40						45			
Glu	Ser	His	Phe	Gln	Val	Pro	Met	His	Phe	Val	Phe	Arg	Ser	Phe	Ser
	50					55					60				
Phe	Leu	Glu	Ile	Ser	Leu	Thr	Ser	Thr	Phe	Ile	Pro	Gln	Leu	Leu	Phe
65					70				75						80
Ser	Val	Ser	Thr	Gly	Ile	Lys	Thr	Ile	Ser	Phe	Val	Gly	Cys	Phe	Ile
				85					90					95	
Ala	Ile	Phe	Phe	Gly	Thr	Thr	Glu	Ile	Trp	Thr	Leu	Thr	Ser	Met	Thr
			100					105					110		
Cys	Asp	Tyr	Tyr	Ile	Ala	Thr	Ser	Gln	Ser	Leu	His	Tyr	Ala	Thr	Ile
	115						120					125			
Met	Ser	Asn	Arg	Val	Cys	Thr	Leu	Leu	Ile	Pro	Cys	Ser	Cys	Leu	Ser
	130					135					140				
Cys	Phe	Leu	Ile	Ile	Phe	Leu	Pro	Ile	Ile	Leu	Thr	Ser	Gln	Leu	Asp
145					150					155					160
Phe	Cys	Ala	Ser	Asn	Val	Leu	Lys	His	His	Cys	Cys	Asp	Tyr	Gly	Thr
				165					170					175	
Leu	Ile	Glu	Ile	Ala	Cys	Ser	Ser	Thr	Arg	Leu	Met	Glu	Leu	Phe	Val
			180					185					190		
Phe	Phe	Leu	Val	Ile	Met	Thr	Leu	Arg	Val	Ala	Met	Val	Leu	Val	Ala
	195						200					205			
Leu	Ser	Tyr	Met	Cys	Ser	Ile	Arg	Thr	Ile	Pro	Lys	Ile	Pro	Ser	Ala
	210					215					220				
Gln	Arg	Lys	Lys	Ala	Phe	Cys	Ser	Ser	His	Thr	Leu	Val	Ile	Ser	Ile
225					230					235					240
Ser	Tyr	Arg	Ser	Cys	Ile	Phe	Met	Cys	Ile	Lys	Pro	Ser	Ser	Arg	Gly
				245					250					255	
Val	Val	Leu	Ser	Lys	Gly	Met	Ala	Val	Leu	Asn	Thr	Ser	Val	Ala	Pro
			260					265					270		

Leu	Leu	Asp	Leu	Phe	Ile	Tyr	Thr	Phe	Arg	Asn	Lys	Gln	Leu	Lys	Lys
		275					280					285			
Ser	Phe	Asn	Asp	Ile	Thr	Arg	Lys	Thr	Val	Ile	Leu	Gln			
	290					295					300				

<210> 2391
 <211> 304
 <212> PRT
 <213> Mus musculus

<400> 2391

Phe	Thr	Glu	Val	Ile	Glu	Phe	Val	Phe	Leu	Gly	Phe	Ser	Ser	Phe	Gly
1				5					10					15	
Lys	His	Gln	Ile	Thr	Leu	Phe	Val	Val	Phe	Leu	Thr	Ile	Tyr	Ile	Leu
			20					25					30		
Thr	Leu	Ala	Gly	Asn	Ile	Ile	Ile	Val	Thr	Ile	Thr	His	Ile	Asp	His
		35					40					45			
His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser	Met	Leu	Ala	Ser	Ser
	50					55					60				
Glu	Thr	Val	Tyr	Thr	Leu	Val	Ile	Val	Pro	Arg	Met	Leu	Ser	Ser	Leu
65					70					75					80
Ile	Phe	Tyr	Asn	Leu	Pro	Ile	Ser	Leu	Ala	Gly	Cys	Ala	Thr	Gln	Met
				85					90					95	
Phe	Phe	Phe	Val	Thr	Leu	Ala	Thr	Asn	Asn	Cys	Phe	Leu	Leu	Thr	Ala
			100					105						110	
Met	Gly	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asn	Pro	Leu	Arg	Tyr	Thr
		115					120					125			
Ile	Ile	Met	Ser	Lys	Gly	Met	Cys	Ala	Leu	Leu	Val	Cys	Gly	Ser	Leu
	130					135					140				
Gly	Thr	Gly	Leu	Val	Met	Ala	Val	Leu	His	Val	Pro	Ala	Met	Phe	His
145					150					155					160
Leu	Pro	Phe	Cys	Gly	Thr	Val	Val	Glu	His	Phe	Phe	Cys	Asp	Ile	Tyr
				165					170					175	
Pro	Val	Met	Lys	Leu	Ser	Cys	Val	Asp	Thr	Thr	Val	Asn	Glu	Ile	Ile
			180					185					190		
Asn	Tyr	Gly	Val	Ser	Ser	Phe	Val	Ile	Leu	Val	Pro	Ile	Gly	Leu	Ile
		195					200					205			
Phe	Ile	Ser	Tyr	Val	Leu	Ile	Val	Ser	Ser	Ile	Leu	Lys	Ile	Val	Ser
	210					215					220				
Thr	Glu	Gly	Gln	Lys	Lys	Ala	Phe	Ala	Thr	Cys	Ala	Ser	His	Leu	Thr
225					230					235					240
Val	Val	Ile	Val	His	Tyr	Gly	Cys	Ala	Ser	Ile	Ala	Tyr	Leu	Lys	Pro
				245					250					255	
Lys	Ser	Glu	Ser	Ser	Val	Glu	Lys	Asp	Leu	Leu	Leu	Ser	Val	Thr	Tyr
			260					265					270		
Thr	Ile	Ile	Thr	Pro	Leu	Leu	Asn	Pro	Val	Val	Tyr	Ser	Leu	Arg	Asn
		275					280					285			
Lys	Glu	Val	Lys	Asp	Ala	Leu	Cys	Arg	Ala	Val	Gly	Arg	Asn	Thr	Ser
	290					295					300				

<210> 2392
 <211> 160
 <212> PRT
 <213> Mus musculus

<400> 2392

Ile	Val	Ser	Leu	Leu	Val	Asn	Ile	Lys	Ile	Phe	Thr	Leu	Ser	Phe	Cys
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

1				5					10					15			
Gly	Tyr	Asn	Val	Ile	Arg	His	Phe	Tyr	Cys	Asp	Ala	Leu	Pro	Leu	Leu		
			20					25					30				
Thr	Leu	Ala	Cys	Ser	Asn	Thr	His	Glu	Ile	Glu	Ala	Ile	Ile	Leu	Ile		
		35					40					45					
Phe	Ser	Ala	Phe	Asn	Leu	Leu	Ser	Ser	Leu	Leu	Ile	Val	Ile	Gly	Ser		
	50					55					60						
Tyr	Leu	Leu	Ile	Leu	Met	Ala	Ile	Leu	Arg	Ile	Asn	Ser	Ala	Glu	Gly		
65					70					75					80		
Lys	Trp	Lys	Ala	Phe	Ser	Thr	Cys	Gly	Ser	His	Leu	Thr	Val	Val	Ile		
			85					90						95			
Val	Phe	Tyr	Gly	Thr	Leu	Ile	Phe	Met	Tyr	Leu	Gln	Pro	Thr	Phe	Thr		
			100					105					110				
His	Ser	Ile	Asp	Thr	Gly	Lys	Val	Ile	Ser	Ile	Phe	Tyr	Thr	Gln	Val		
		115					120					125					
Ile	Pro	Met	Leu	Asn	Pro	Leu	Thr	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val		
	130					135					140						
Lys	Asp	Val	Leu	Lys	Lys	Pro	Met	Glu	Lys	Val	His	Asn	Leu	Phe	Ser		
145					150					155					160		

<210> 2393

<211> 115

<212> PRT

<213> Mus musculus

<400> 2393

Ile	Leu	Ile	Phe	Ser	Ala	Phe	Asn	Leu	Leu	Ser	Ser	Leu	Leu	Ile	Val		
1				5					10					15			
Ile	Gly	Ser	Tyr	Leu	Leu	Ile	Leu	Met	Thr	Ile	Leu	Arg	Ile	Asn	Ser		
			20					25				30					
Ala	Lys	Gly	Lys	Trp	Lys	Ala	Phe	Ser	Thr	Cys	Gly	Ser	His	Leu	Thr		
		35					40				45						
Val	Val	Ile	Val	Phe	Tyr	Gly	Thr	Leu	Ile	Phe	Met	Tyr	Leu	Gln	Pro		
	50					55					60						
Thr	Ser	Thr	His	Ser	Ile	Asn	Thr	Val	Lys	Val	Thr	Ser	Ile	Phe	Tyr		
65					70					75					80		
Thr	Gln	Val	Ile	Pro	Met	Leu	Asn	Pro	Leu	Ile	Tyr	Ser	Leu	Arg	Asn		
			85					90						95			
Lys	Asp	Val	Lys	Asp	Val	Leu	Lys	Lys	Thr	Lys	Glu	Lys	Val	Tyr	Asn		
			100					105					110				
Leu	Val	Ser															
		115															

<210> 2394

<211> 242

<212> PRT

<213> Mus musculus

<400> 2394

Met	Glu	Asp	Met	Ala	Ala	Gly	Asn	His	Cys	Thr	Val	Thr	Glu	Phe	Phe		
1				5					10					15			
Leu	Ala	Gly	Leu	Ser	Glu	Lys	Pro	Glu	Leu	Gln	Leu	Pro	Leu	Phe	Leu		
			20					25				30					
Leu	Phe	Thr	Gly	Ile	Tyr	Leu	Ile	Thr	Met	Ala	Gly	Asn	Leu	Gly	Met		
		35					40				45						
Ile	Thr	Leu	Ile	Gly	Leu	Ser	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Tyr		
	50					55					60						

<210> 2396
<211> 177
<212> PRT
<213> Mus musculus

<400> 2396
Met Ala Ser His Asn Phe Thr Met Val Thr Glu Phe Ile Leu Val Ala
1 5 10 15
Asn Thr Asp Cys Pro Glu Leu Gln Val Pro Leu Phe Gly Leu Phe Pro
20 25 30
Ile Ile Tyr Leu Ile Ile Leu Val Gly Asn Leu Gly Met Ile Ile Leu
35 40 45
Thr Met Val Asp Ser Arg Leu Gln Thr Pro Met Tyr Phe Phe Leu Arg
50 55 60
His Leu Ala Thr Thr Tyr Ser Thr Ala Val Gly Pro Lys Met Leu Arg
65 70 75 80
Asn Phe Leu Val Glu Gln Asn Lys Lys Leu Phe Tyr Asp Cys Ala Phe
85 90 95
Gln Ser Ser Phe Phe Ser Ser Leu Leu Val Asn Phe Phe Ile Leu Tyr
100 105 110
Ala Ile Phe Tyr Asp Cys Tyr Val Ala Ile Cys Lys Pro Leu Asn Tyr
115 120 125
Asn Val Ile Met Ser Gln Arg Leu Cys Trp Ile Leu Val Ala Val Pro
130 135 140
Tyr Leu Tyr Ser Ile Phe Val Ala Leu Ile Val Thr Ile Asn Ile Phe
145 150 155 160
Pro Ser Ser Phe Cys Gly Pro Asn Ile Ile Asn His Phe Phe Tyr Asn
165 170 175
Gly

<210> 2397
<211> 215
<212> PRT
<213> Mus musculus

<400> 2397
Met Phe Phe Val Ala Ser Met Met Gly Asn Ser Leu Ile Val Phe Thr
1 5 10 15
Val Ala Ser Asp Pro His Leu His Ser Pro Met Tyr Phe Leu Leu Ala
20 25 30
Asn Leu Ser Phe Ile Asp Leu Gly Val Ser Ser Val Ser Ser Pro Lys
35 40 45
Met Leu Tyr Asp Leu Phe Arg Lys His Lys Val Ile Ser Phe Thr Gly
50 55 60
Cys Val Thr Gln Ile Phe Phe Ile His Val Ile Gly Gly Val Glu Met
65 70 75 80
Val Leu Leu Ile Ala Met Ala Phe Asp Arg Tyr Val Ala Ile Cys Lys
85 90 95
Pro Leu His Tyr Leu Thr Ile Met Ser Pro Arg Thr Cys Ile Leu Phe
100 105 110
Ser Val Thr Ala Trp Val Val Gly Leu Met His Ser Leu Ile Gln Leu
115 120 125
Ala Phe Val Val Asn Leu Pro Phe Cys Gly Pro Asn Val Leu Asp Ser
130 135 140
Phe Tyr Cys Asp Leu Pro Arg Phe Ile Lys Leu Ala Cys Ile Asp Thr
145 150 155 160

Asn	Gln	Leu	Glu	Phe	Met	Val	Thr	Val	Asn	Ser	Gly	Phe	Ile	Ser	Val
				165					170					175	
Gly	Ser	Phe	Phe	Ile	Leu	Ile	Ile	Ser	Tyr	Ile	Val	Ile	Ile	Ile	Ser
			180					185					190		
Val	Gln	Lys	His	Ser	Ser	Gly	Gly	Ser	Ser	Lys	Ala	Leu	Ser	Thr	Leu
		195					200					205			
Ser	Ala	His	Ile	Thr	Val	Val									
	210					215									

<210> 2398

<211> 158

<212> PRT

<213> Mus musculus

<400> 2398

Met	Pro	Ser	Arg	Ser	Val	Leu	Gly	Asp	Gly	Asn	His	Thr	Ser	Val	Ala
1				5					10					15	
Met	Phe	Val	Leu	Leu	Gly	Leu	Leu	Asp	Gln	Ala	Glu	Leu	Gln	Leu	Ile
			20					25					30		
Leu	Phe	Pro	Val	Phe	Leu	Gly	Thr	Tyr	Leu	Ile	Thr	Leu	Ile	Trp	Asn
		35					40					45			
Leu	Gly	Leu	Ile	Ile	Leu	Ile	Arg	Met	Asp	Ser	His	Leu	Gln	Thr	Pro
	50					55					60				
Met	Tyr	Phe	Phe	Leu	Ser	Phe	Leu	Ser	Phe	Ile	Asp	Ile	Cys	Tyr	Ser
65					70					75					80
Ser	Ser	Ile	Ser	Pro	Arg	Met	Leu	Ser	Asp	Phe	Leu	Lys	Ala	Glu	Lys
				85					90					95	
Thr	Ile	Ser	Phe	Ile	Ala	Cys	Ala	Thr	Gln	Tyr	Phe	Val	Met	Ala	Trp
			100					105					110		
Met	Gly	Ala	Ser	Glu	Cys	Cys	Leu	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg
		115					120					125			
Tyr	Val	Ala	Ile	Gly	Ser	Pro	Leu	Gln	Tyr	Ser	Val	Ile	Met	Ala	Pro
	130					135					140				
Ser	Leu	Cys	Trp	Arg	Met	Val	Ala	Gly	Val	Tyr	Arg	Ser	Gly		
145					150					155					

<210> 2399

<211> 139

<212> PRT

<213> Mus musculus

<400> 2399

Met	Pro	Ser	Ile	Ser	Val	Leu	Gly	Asp	Gly	Asn	His	Thr	Ser	Val	Ala
1				5					10					15	
Met	Phe	Val	Leu	Leu	Gly	Leu	Leu	Asp	Gln	Ala	Glu	Leu	Gln	Leu	Ile
			20					25					30		
Leu	Phe	Pro	Val	Phe	Leu	Gly	Thr	Tyr	Leu	Ile	Thr	Leu	Ile	Trp	Asn
		35					40					45			
Leu	Gly	Leu	Ile	Ile	Leu	Ile	Arg	Met	Asp	Ser	His	Leu	Gln	Thr	Pro
	50					55					60				
Met	Tyr	Phe	Phe	Leu	Ser	Phe	Leu	Ser	Phe	Ile	Asp	Ile	Cys	Tyr	Ser
65					70					75					80
Ser	Ser	Ile	Ser	Pro	Arg	Met	Leu	Ser	Asp	Phe	Leu	Lys	Thr	Glu	Lys
				85					90					95	
Thr	Ile	Ser	Phe	Ile	Ala	Cys	Ala	Thr	Gln	Asn	Phe	Val	Leu	Asp	Trp
			100					105					110		
Met	Gly	Thr	Ser	Glu	Cys	Cys	Leu	Leu	Thr	Ala	Met	Ala	Tyr	Asp	Arg

	115		120		125
Tyr	Val	Ala	Ile	Gly	Ser
	130		135		

<210> 2400
 <211> 157
 <212> PRT
 <213> Mus musculus

<400> 2400

Arg	Thr	Lys	Asn	His	Thr	Val	Val	Thr	Glu	Phe	Ile	Leu	Met	Gly	Ile
1				5					10					15	
Thr	Asp	His	Pro	Asp	Leu	Gln	Pro	Ser	Leu	Phe	Gly	Leu	Phe	Leu	Leu
			20					25					30		
Ile	Tyr	Leu	Ile	Ser	Leu	Val	Gly	Asn	Leu	Gly	Met	Ile	Ile	Leu	Thr
		35					40					45			
Met	Val	Asp	Ser	Arg	Leu	Gln	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Arg	Gln
		50				55					60				
Leu	Ala	Thr	Thr	Asp	Leu	Gly	Tyr	Ser	Thr	Ala	Val	Gly	Pro	Lys	Met
65					70					75					80
Leu	Thr	Asn	Phe	Ile	Val	Asp	Gln	Asn	Arg	Ile	Phe	Phe	Asn	Leu	Cys
			85						90					95	
Thr	Thr	Gln	Leu	Ala	Phe	Phe	Leu	Leu	Phe	Ile	Ala	Cys	Glu	Leu	Phe
			100					105					110		
Ile	Leu	Ser	Ala	Met	Ser	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro
		115					120					125			
Leu	Phe	Tyr	Met	Val	Ile	Met	Ser	Lys	Arg	Leu	Cys	Trp	Val	Leu	Val
	130					135					140				
Val	Met	Pro	Leu	Cys	Leu	Leu	Tyr	Asn	Cys	Gly	Cys	Phe			
145						150				155					

<210> 2401
 <211> 194
 <212> PRT
 <213> Mus musculus

<400> 2401

Phe	Leu	Ala	Val	Met	Ala	Phe	Asp	Arg	Tyr	Leu	Ala	Ile	Cys	Arg	Pro
1				5					10					15	
Leu	His	Tyr	Pro	Ser	Leu	Met	Thr	Gly	Arg	Leu	Arg	Asn	Thr	Leu	Val
			20					25					30		
Thr	Ser	Cys	Trp	Val	Leu	Gly	Phe	Leu	Trp	Phe	Pro	Val	Pro	Ile	Ile
		35				40					45				
Ile	Ile	Ser	Gln	Met	Ser	Phe	Cys	Gly	Ser	Arg	Ile	Ile	Asp	His	Phe
	50					55					60				
Leu	Cys	Asp	Pro	Gly	Pro	Leu	Leu	Ala	Leu	Ala	Cys	Ser	Arg	Val	Pro
65					70					75					80
Leu	Ile	Glu	Val	Phe	Trp	Ser	Ile	Ile	Met	Ser	Met	Leu	Leu	Val	Ile
			85						90					95	
Pro	Phe	Leu	Phe	Ile	Met	Gly	Thr	Tyr	Ile	Leu	Val	Leu	Arg	Ala	Val
			100					105					110		
Phe	Arg	Leu	Pro	Ser	Arg	Glu	Gly	Gln	Lys	Lys	Ala	Phe	Ser	Thr	Cys
		115					120					125			
Gly	Ser	His	Leu	Thr	Val	Val	Ser	Leu	Phe	Tyr	Cys	Ser	Val	Met	Ile
	130					135					140				
Met	Tyr	Leu	Ser	Pro	Thr	Ser	Glu	His	Glu	Ala	Gly	Met	Gln	Lys	Leu
145					150					155					160

Val	Thr	Leu	Phe	Tyr	Ser	Val	Gly	Thr	Pro	Leu	Leu	Asn	Pro	Met	Ile	
				165					170					175		
Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Met	Lys	Asn	Ala	Leu	Gln	Lys	Ile	Leu	
			180					185					190			
Arg	Thr															

<210> 2402
 <211> 179
 <212> PRT
 <213> Mus musculus

<400> 2402																
Phe	Leu	Leu	Ser	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asn	
1				5					10					15		
Pro	Leu	Leu	Tyr	Pro	Val	Met	Met	Ser	Asn	Ser	Leu	Cys	Met	Lys	Phe	
			20					25					30			
Ile	His	Val	Ser	Tyr	Ile	Val	Gly	Phe	Leu	His	Ser	Ala	Ile	His	Val	
		35					40					45				
Gly	Leu	Leu	Val	Arg	Leu	Asn	Phe	Cys	Lys	Ser	Asn	Ile	Ile	His	Tyr	
	50					55					60					
Phe	Tyr	Cys	Glu	Ile	Leu	Gln	Leu	Phe	Lys	Ile	Ser	Cys	Ile	Asn	Pro	
65					70					75					80	
Thr	Met	Asn	Val	Leu	Leu	Val	Leu	Ile	Phe	Ser	Thr	Leu	Ile	Gln	Gly	
				85					90					95		
Leu	Thr	Phe	Met	Thr	Phe	Ile	Val	Ser	Tyr	Ser	Ser	Val	Ile	Phe	Pro	
			100					105					110			
Ile	Leu	Lys	Thr	Lys	Ser	Glu	Arg	Gly	Arg	Arg	Lys	Ala	Phe	Ser	Thr	
		115					120					125				
Cys	Ser	Ala	His	Leu	Leu	Ser	Val	Ser	Leu	Phe	Tyr	Gly	Thr	Leu	Phe	
	130					135					140					
Leu	Met	Tyr	Val	His	Pro	Gly	Ser	Gly	Ser	Gly	Glu	Asp	Lys	Gly	Arg	
145					150					155					160	
Met	Tyr	Ser	Leu	Phe	Tyr	Thr	Ile	Ile	Ile	Leu	Phe	Leu	Asn	Pro	Phe	
				165					170					175		
Phe	Ile	Thr														

<210> 2403
 <211> 262
 <212> PRT
 <213> Mus musculus

<400> 2403																
Thr	His	Ser	Cys	Thr	Leu	Pro	Met	Tyr	Phe	Phe	Leu	Ser	Thr	Leu	Ser	
1				5					10					15		
Leu	Leu	Asp	Met	Ser	Tyr	Val	Thr	Thr	Met	Pro	Gln	Met	Leu	Val	His	
			20					25					30			
Leu	Leu	Ala	His	Ser	Gln	Thr	Ile	Ser	Phe	Ala	Gly	Cys	Cys	Leu	Gln	
		35					40					45				
Met	Tyr	Val	Phe	Gly	Ala	Leu	Gly	Met	Thr	Glu	Cys	Thr	Phe	Phe	Val	
	50					55					60					
Val	Met	Ala	Tyr	His	Arg	Tyr	Val	Ala	Ile	Cys	Pro	Leu	Pro	Tyr	Thr	
65					70					75					80	
Val	Ile	Leu	Asn	Trp	Gly	Leu	Cys	Met	Arg	Leu	Ala	Ala	Gly	Ser	Trp	
				85					90					95		
Ile	Cys	Gly	Phe	Phe	Ser	Ser	Leu	Leu	His	Thr	Phe	Phe	Thr	Met	Ser	

<210> 2405
 <211> 155
 <212> PRT
 <213> Mus musculus

<400> 2405
 Leu Met Leu Phe Leu Lys Leu Asp Phe Cys Ala Ser Asn Val Ile Asp
 1 5 10 15
 His Phe Cys Cys Asp Tyr Phe Pro Ile Leu Gln Leu Ser Cys Ser Asp
 20 25 30
 Thr Trp Phe Leu Glu Thr Ile Gly Phe Tyr Phe Ala Phe Ile Thr Leu
 35 40 45
 Leu Phe Thr Leu Ala Leu Val Ile Leu Ser Tyr Ile Cys Ile Ile Asn
 50 55 60
 Thr Ile Leu Arg Phe Pro Ser Ala Ser Gln Arg Lys Lys Ala Phe Ser
 65 70 75 80
 Thr Cys Ser Ser His Met Ile Val Ile Ser Ile Ser Tyr Gly Ser Cys
 85 90 95
 Ile Phe Met Tyr Val Lys Pro Ser Ala Asn Glu Arg Ala Ser Leu Thr
 100 105 110
 Lys Gly Val Ala Leu Leu Asn Thr Ser Ile Ala Pro Met Leu Asn Pro
 115 120 125
 Phe Ile Tyr Thr Leu Arg Asn Gln Gln Val Lys Gln Ala Phe Lys Asp
 130 135 140
 Leu Ile Asn Lys Leu Met Phe Asn Arg Asn Lys
 145 150 155

<210> 2406
 <211> 214
 <212> PRT
 <213> Mus musculus

<400> 2406
 Asp Leu Ala Ile Gly Gln Tyr Cys Met Leu His Glu Phe Ile Leu Thr
 1 5 10 15
 Glu Leu Ser Lys Lys Leu Asp Ser Gln Leu Pro Phe Ser Ser Thr Phe
 20 25 30
 Ile Gly Thr Tyr Ala Leu Thr Leu Val Gly Asn Leu Gly Arg Phe Thr
 35 40 45
 Leu Asn Gln Ser Phe His Leu His Lys Pro Met Tyr Tyr Phe Phe Ser
 50 55 60
 Asn Ile Tyr Ser Ile Asn Leu Cys His Pro Met Val Val Asn Pro Lys
 65 70 75 80
 Met Phe Gly Lys Phe Val Ile Glu Asn Asn Pro Ile Ser His Pro Gln
 85 90 95
 Tyr Met Thr Gln Leu Tyr Phe Ile Leu Ser Phe Val Thr Ala Lys Cys
 100 105 110
 His Leu Leu Ala Ala Ile Ser Tyr Glu Pro His Val Ala Ile Tyr Asn
 115 120 125
 Pro Leu Val Tyr Asn Val Thr Ile Phe Ser Gln Ile Tyr Ser Ser Leu
 130 135 140
 Ile Ser Glu Val His Ile Thr Gly Val Val Cys Ile Ser Gly His Thr
 145 150 155 160
 Gly Ile Lys Ile Ser Val Leu Gly Asn Ile Gly Val Ile Lys Tyr His
 165 170 175
 Phe Tyr Val Leu Thr Gln Asn Ser Pro Thr Tyr Val Lys Val Leu Val

Leu	Ser	His	Ser	Tyr	Cys	Leu	His	Pro	Asn	Leu	Ile	His	Leu	Pro	Cys
			180					185					190		
Gly	Asp	Ile	Ser	Ile	Asp	Asn	Ile	Tyr	Gly	Leu	Phe	Ile	Val	Thr	Ser
	195					200						205			
Thr	Phe	Gly	Leu	Asp	Ser	Leu	Leu	Ile	Val	Val	Ser	Tyr	Gly	Leu	Ile
	210					215					220				
Leu	His	Thr	Val	Leu	Gly	Ile	Ala	Thr	Gly	Asp	Gly	Arg	Arg	Lys	Ala
225					230					235					240
Leu	Asn	Thr	Cys	Gly	Ser	His	Val	Cys	Ala	Val	Leu	Ala	Tyr	Tyr	Val
			245						250					255	
Pro	Met	Ile	Gly	Leu	Ser	Met	Val	His	Arg	Phe	Ala	His	His	Val	Ser
		260						265					270		
Pro	Leu	Leu	Gln	Thr	Met	Met	Ala	Asn	Ala	Tyr	Leu	Phe	Phe	Pro	Pro
	275						280					285			
Val	Ile	Asn	Pro	Ile	Val	Tyr	Ser	Ile	Lys	Thr	Lys	Glu	Ile	Arg	Arg
	290					295					300				
Gly	Ile	Val	Arg	Met	Leu	Ser	Glu	Lys	Arg	Phe	Arg	Val			
305					310					315					

<210> 2409

<211> 322

<212> PRT

<213> Mus musculus

<400> 2409

Met	Pro	Gln	Pro	Leu	Val	Pro	Leu	Ile	Ala	Thr	Pro	Asn	Gly	Ser	Leu
1				5					10					15	
Ala	His	Pro	Ala	Tyr	Phe	Leu	Leu	Val	Gly	Ile	Pro	Gly	Leu	Gly	Ser
			20					25					30		
Lys	Ile	His	Phe	Trp	Leu	Ala	Phe	Pro	Leu	Cys	Phe	Met	Tyr	Ala	Val
		35				40						45			
Ala	Thr	Leu	Gly	Asn	Leu	Ala	Ile	Ile	Phe	Ile	Ile	Arg	Val	Glu	Arg
	50					55					60				
Arg	Leu	His	Glu	Pro	Met	Tyr	Leu	Phe	Leu	Ala	Met	Leu	Ser	Thr	Ile
65					70					75					80
Asp	Leu	Val	Leu	Ser	Ser	Val	Thr	Met	Pro	Lys	Met	Ala	Ser	Leu	Phe
			85						90				95		
Leu	Thr	Gly	Ile	Gln	Glu	Ile	Glu	Phe	Asn	Ile	Cys	Leu	Thr	Gln	Met
			100					105					110		
Phe	Leu	Ile	His	Ala	Leu	Ser	Ala	Met	Glu	Ser	Ala	Val	Leu	Leu	Ala
		115					120					125			
Met	Ala	Phe	Asp	Arg	Phe	Val	Ala	Ile	Cys	Tyr	Pro	Leu	Arg	His	Ala
	130					135					140				
Ser	Val	Leu	Thr	Gly	Thr	Thr	Val	Ala	Lys	Ile	Gly	Leu	Ala	Ser	Leu
145					150					155					160
Ala	Arg	Gly	Phe	Val	Phe	Phe	Phe	Pro	Leu	Pro	Phe	Leu	Leu	Lys	Arg
			165						170					175	
Leu	Ser	Tyr	Cys	Gln	Thr	His	Thr	Val	Thr	His	Ser	Phe	Cys	Leu	His
			180					185					190		
Gln	Asp	Ile	Met	Lys	Leu	Ser	Cys	Thr	Asp	Thr	Lys	Val	Asn	Val	Val
	195						200					205			
Tyr	Gly	Leu	Phe	Ile	Ile	Leu	Ser	Val	Met	Gly	Val	Asp	Ser	Leu	Phe
	210					215					220				
Ile	Gly	Phe	Ser	Tyr	Ile	Leu	Ile	Leu	Arg	Ala	Val	Leu	Glu	Leu	Ser
225					230					235					240
Thr	Arg	Gly	Ala	Ala	Leu	Lys	Ala	Phe	Asn	Thr	Cys	Ile	Ser	His	Leu
			245						250					255	
Cys	Ala	Val	Leu	Val	Phe	Tyr	Val	Pro	Leu	Ile	Gly	Leu	Ser	Val	Val

Trp Ala Arg Arg Arg Gln Phe Ser Ser Thr
 340 345

<210> 2411
 <211> 330
 <212> PRT
 <213> Mus musculus

<400> 2411
 Met Ser Thr Phe Gln Asn Thr Thr Ala Ser Ser Ile Ile Phe Leu Leu
 1 5 10 15
 Thr Gly Val Pro Gly Leu Glu Ala Phe His Thr Trp Ile Ser Ile Pro
 20 25 30
 Phe Cys Phe Leu Tyr Ala Thr Ala Leu Ser Gly Asn Ser Leu Ile Leu
 35 40 45
 Phe Val Ile Ile Thr Gln Pro Ser Leu His Glu Pro Met Cys Tyr Phe
 50 55 60
 Leu Ser Met Leu Ser Thr Thr Asp Leu Gly Leu Ser Ile Ser Thr Leu
 65 70 75 80
 Ala Thr Met Leu Gly Ile Phe Trp Phe Asn Ala Arg Glu Ile Ser Phe
 85 90 95
 Asn Ala Cys Leu Ser Gln Met Phe Phe Ile Gln Leu Phe Thr Val Met
 100 105 110
 Glu Ser Ser Val Leu Leu Ala Met Ala Phe Asp Arg Tyr Val Ala Ile
 115 120 125
 Ser Asn Pro Leu Arg Tyr Ala Ser Val Leu Thr Asp Leu Lys Ile Ala
 130 135 140
 Gln Ile Gly Val Ala Ile Val Thr Arg Gly Thr Leu Ile Leu Thr Pro
 145 150 155 160
 Met Val Val Leu Leu Lys Arg Leu Ser Tyr Cys Ser Ser His Val Leu
 165 170 175
 His His Ser Tyr Cys Phe His Pro Asp Val Met Lys Leu Ser Cys Thr
 180 185 190
 Asp Thr Arg Ile Asn Ser Ala Val Gly Leu Thr Ala Leu Ile Ser Thr
 195 200 205
 Ala Gly Val Asp Ser Val Phe Ile Ile Leu Ser Tyr Val Leu Ile Ile
 210 215 220
 Arg Thr Val Leu Ser Ile Ala Ser Pro Glu Glu Arg Lys Lys Ala Phe
 225 230 235 240
 Ser Thr Cys Ile Ser His Ile Gly Ala Val Ala Val Phe Tyr Ile Pro
 245 250 255
 Leu Ile Ser Leu Ser Phe Val His Arg Phe Gly Lys Arg Ala Pro Pro
 260 265 270
 Tyr Val His Thr Leu Ile Ala Asn Ala Tyr Leu Leu Ile Pro Pro Val
 275 280 285
 Met Asn Pro Ile Ile Tyr Ser Val Lys Thr Lys Lys Ile Arg Lys Ala
 290 295 300
 Val Leu Lys Val Phe His Ser Ser Met Thr Arg Ala Ser Leu Leu Phe
 305 310 315 320
 His Arg Phe Ser Thr Leu Ser Phe Tyr Glu
 325 330

<210> 2412
 <211> 309
 <212> PRT
 <213> Mus musculus

<400> 2412

```
Val Leu Leu Asn His Thr Leu Val Thr Glu Phe Leu Leu Leu Gly Val
 1          5          10          15
Thr Asp Ile Gln Glu Leu Asn Pro Ile Leu Phe Val Thr Val Leu Ala
 20          25          30
Met Tyr Phe Val Asn Val Ala Gly Asn Gly Ala Ile Leu Met Ile Val
 35          40          45
Ile Ser Asp Pro Arg Leu His Leu Pro Met Tyr Phe Phe Leu Gly Asn
 50          55          60
Leu Ala Cys Leu Asp Ile Cys Phe Ser Thr Val Thr Val Pro Lys Met
 65          70          75          80
Leu Glu Asn Phe Phe Ser Thr Ser Lys Ala Ile Ser Phe Leu Gly Cys
 85          90          95
Ile Thr Gln Leu His Phe Phe His Phe Leu Gly Ser Thr Glu Ala Leu
 100          105          110
Leu Leu Thr Val Met Ala Phe Asp Arg Phe Val Ala Ile Cys Arg Pro
 115          120          125
Leu His Tyr Pro Ala Ile Met Asn Ser Gln Ile Cys Ile Leu Val Ala
 130          135          140
Ile Ser Ile Trp Ala Ile Pro Phe Leu His Ala Leu Val His Ser Ile
 145          150          155          160
Leu Thr Ser Gln Leu Asn Phe Cys Gly Ser Asn His Ile His His Phe
 165          170          175
Phe Cys Asp Val Lys Pro Leu Leu Glu Leu Ala Cys Gly Asn Thr Glu
 180          185          190
Leu Asn Arg Trp Leu Leu Asn Thr Leu Thr Gly Thr Val Ala Ile Gly
 195          200          205
Leu Phe Phe Leu Thr Phe Leu Ser Tyr Phe Tyr Ile Val Thr Tyr Leu
 210          215          220
Phe Leu Lys Thr Arg Ser Cys Ser Met Leu His Lys Ala Leu Ser Thr
 225          230          235          240
Cys Ala Ser His Phe Met Val Val Met Ile Phe Tyr Ala Pro Val Leu
 245          250          255
Phe Ile Tyr Ile Asn Pro Asp Ser Gly Ser Ser Leu Glu Lys Asp Arg
 260          265          270
Ile Ile Ala Val Met Tyr Thr Val Val Thr Pro Ala Leu Asn Pro Leu
 275          280          285
Ile Tyr Thr Leu Arg Asn Lys Glu Val Arg Gly Ala Leu Asn Arg Lys
 290          295          300
Ile Arg Ile Leu Leu
305
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<210> 2413

<211> 312

<212> PRT

<213> Mus musculus

<400> 2413

```
Met Ser Ser Ile Asn Ser Thr Gln Phe His Pro Ser Phe Phe Ile Leu
 1          5          10          15
Val Gly Ile Pro Gly Leu Glu Ile Phe His Ile Trp Ile Ala Phe Pro
 20          25          30
Phe Cys Leu Val Tyr Leu Thr Ser Leu Val Gly Asn Ile Thr Ile Leu
 35          40          45
Phe Val Ile Lys Thr Glu His Ser Leu His Gln Pro Met Phe Tyr Phe
 50          55          60
Leu Ala Thr Leu Ser Ile Ile Asp Leu Cys Leu Ser Thr Ser Thr Ile
 65          70          75          80
```

Pro	Lys	Met	Leu	Gly	Ile	Phe	Trp	Phe	Asn	Leu	Arg	Glu	Ile	Ser	Phe
				85					90					95	
Gly	Gly	Cys	Leu	Ala	Gln	Met	Phe	Phe	Ile	His	Val	Phe	Thr	Gly	Met
			100					105					110		
Glu	Thr	Val	Leu	Leu	Val	Val	Met	Ala	Tyr	Asp	Arg	Phe	Val	Ala	Ile
		115					120					125			
Cys	Lys	Pro	Leu	Gln	Tyr	Thr	Thr	Ile	Leu	Thr	Asn	Lys	Thr	Ile	Ser
	130					135					140				
Leu	Leu	Leu	Ser	Val	Val	Ile	Gly	Arg	Asn	Leu	Ile	Leu	Val	Thr	Pro
145					150				155						160
Phe	Val	Phe	Leu	Ile	Leu	Arg	Leu	Pro	Phe	Cys	Gly	His	His	Ile	Met
				165					170					175	
Pro	His	Thr	Tyr	Cys	Glu	His	Met	Gly	Leu	Ala	Arg	Leu	Ala	Cys	Ala
			180					185					190		
Pro	Ile	Lys	Ile	Asn	Ile	Ile	Tyr	Gly	Leu	Val	Val	Ile	Ser	His	Ile
		195					200					205			
Leu	Val	Asp	Met	Ile	Leu	Ile	Ala	Ser	Ser	Tyr	Val	Leu	Ile	Leu	Arg
	210					215					220				
Ala	Val	Phe	Arg	Ile	Pro	Ser	Gln	Asp	Ala	Arg	Leu	Lys	Ala	Leu	Asn
225					230				235						240
Thr	Cys	Gly	Ser	His	Val	Cys	Ile	Met	Leu	Cys	Phe	Tyr	Thr	Pro	Ala
				245					250					255	
Leu	Phe	Ser	Phe	Met	Thr	His	Arg	Phe	Gly	Gln	Asn	Ile	Pro	His	Tyr
			260					265					270		
Ile	His	Ile	Leu	Leu	Ala	Asn	Leu	Tyr	Val	Val	Ile	Pro	Pro	Ala	Leu
		275				280					285				
Asn	Pro	Val	Ile	Tyr	Gly	Val	Arg	Thr	Lys	Gln	Ile	Arg	Glu	Lys	Ile
	290				295						300				
Ile	Lys	Ile	Val	Val	Gln	Lys	Glu								
305					310										

<210> 2414

<211> 312

<212> PRT

<213> Mus musculus

<400> 2414

Met	Glu	Lys	Trp	Asn	Gln	Ser	Ser	Ser	Asp	Phe	Ile	Leu	Leu	Gly	Leu
1				5					10					15	
Leu	Pro	Gln	Asn	Gln	Thr	Gly	Leu	Leu	Leu	Met	Met	Leu	Ile	Ile	Leu
			20					25					30		
Val	Phe	Phe	Leu	Ala	Leu	Phe	Gly	Asn	Ser	Ala	Met	Ile	His	Leu	Ile
		35					40				45				
Arg	Val	Asp	Pro	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Leu	Leu	Ser	Gln
	50					55					60				
Leu	Ser	Leu	Met	Asp	Leu	Met	Tyr	Ile	Ser	Thr	Thr	Val	Pro	Lys	Met
65					70				75						80
Ala	Phe	Asn	Phe	Leu	Ser	Gly	Gln	Lys	Asn	Ile	Ser	Phe	Leu	Gly	Cys
			85						90					95	
Gly	Val	Gln	Ser	Phe	Phe	Phe	Leu	Thr	Met	Ala	Gly	Ser	Glu	Gly	Leu
			100					105					110		
Leu	Leu	Ala	Ser	Met	Ala	Tyr	Asp	Arg	Phe	Val	Ala	Ile	Cys	His	Pro
		115					120					125			
Leu	His	Tyr	Pro	Ile	Arg	Met	Ser	Lys	Ile	Met	Cys	Leu	Lys	Met	Ile
		130				135					140				
Ile	Gly	Ser	Trp	Ile	Leu	Gly	Ser	Ile	Asn	Ser	Leu	Ala	His	Ser	Ile
145					150				155						160
Tyr	Ala	Leu	His	Ile	Pro	Tyr	Cys	His	Ser	Arg	Ser	Ile	Asn	His	Phe

Phe	Cys	Asp	Val	165	Pro	Ala	Met	Leu	170	Pro	Leu	Ala	Cys	Met	175	Asp	Thr	Trp
Val	Tyr	Glu	Tyr	180	Met	Val	Phe	Val	185	Ser	Thr	Ser	Leu	Phe	190	Leu	Leu	Leu
Pro	Phe	Leu	Gly	195	Ile	Thr	Ala	Ser	200	Tyr	Gly	Arg	Val	Leu	205	Phe	Ala	Val
	210						215						220					
Phe	His	Met	Arg	Ser	Lys	Glu	Gly	Lys	Lys	Lys	Ala	Phe	Thr	Thr	Cys			
225					230				235						240			
Ser	Thr	His	Leu	Thr	Val	Val	Thr	Phe	Tyr	Tyr	Ala	Pro	Phe	Val	Tyr			
				245					250						255			
Thr	Tyr	Leu	Arg	Pro	Arg	Ser	Leu	Arg	Ser	Pro	Thr	Glu	Asp	Lys	Ile			
			260					265							270			
Leu	Thr	Val	Phe	Tyr	Thr	Ile	Leu	Thr	Pro	Met	Leu	Asn	Pro	Ile	Ile			
			275				280						285					
Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Leu	Gly	Ala	Met	Thr	Arg	Val	Leu			
	290					295					300							
Gly	Thr	Phe	Ser	Ser	Met	Lys	Pro											
305					310													

<210> 2415

<211> 321

<212> PRT

<213> Mus musculus

<400> 2415

Met	Glu	Asn	Ile	Ala	Cys	Asn	Gly	Ser	Gly	Asn	Ser	Gln	Thr	Ser	Phe			
1				5					10					15				
Tyr	Leu	Thr	Gly	Ile	Pro	Ser	Leu	Gln	Lys	Ser	Leu	Phe	Leu	Pro	Val			
			20					25					30					
Phe	Leu	Ile	Phe	Leu	Leu	Leu	Tyr	Leu	Leu	Ile	Leu	Val	Gly	Asn	Ala			
		35					40					45						
Leu	Ile	Leu	Val	Ala	Val	Val	Ala	Glu	Arg	Ser	Leu	His	Lys	Pro	Met			
	50					55					60							
Tyr	Phe	Phe	Leu	Ile	Asn	Leu	Ser	Ala	Leu	Asp	Ile	Leu	Phe	Thr	Thr			
65					70					75					80			
Thr	Thr	Val	Pro	Lys	Met	Leu	Ser	Leu	Leu	Leu	Gly	Asp	Arg	Phe				
				85					90				95					
Leu	Ser	Phe	Pro	Ala	Cys	Phe	Leu	Gln	Met	Tyr	Leu	Phe	His	Ser	Phe			
			100					105					110					
Ser	Cys	Ser	Glu	Ala	Phe	Ile	Leu	Val	Val	Met	Ala	Tyr	Asp	Arg	Tyr			
		115					120					125						
Val	Ala	Ile	Cys	Arg	Pro	Leu	His	Tyr	Pro	Val	His	Met	Thr	Pro	Gln			
	130					135					140							
Thr	Asn	Thr	Ala	Leu	Ala	Ala	Ser	Ala	Trp	Ile	Thr	Ala	Leu	Leu	Leu			
145					150					155					160			
Pro	Ile	Pro	Ala	Val	Ile	Gln	Thr	Ser	Gln	Met	Ala	Phe	Asp	Asn	Ile			
				165					170					175				
Ala	Tyr	Ile	Tyr	His	Cys	Phe	Cys	Asp	His	Leu	Ala	Val	Val	Gln	Ala			
		180						185					190					
Ser	Cys	Ser	Asp	Thr	Thr	Pro	Gln	Thr	Leu	Met	Gly	Phe	Cys	Ile	Ala			
		195					200					205						
Met	Val	Val	Ser	Phe	Leu	Pro	Leu	Leu	Leu	Val	Leu	Leu	Ser	Tyr	Ala			
	210					215					220							
Arg	Ile	Leu	Ser	Ser	Val	Leu	Arg	Ile	Asn	Ser	Lys	Glu	Gly	Arg	Ser			
225					230					235					240			
Lys	Ala	Phe	Ser	Thr	Cys	Ser	Ser	His	Leu	Leu	Val	Val	Gly	Thr	Tyr			
				245					250						255			

Tyr	Ser	Ser	Ile	Ala	Ile	Ala	Tyr	Val	Ala	Tyr	Arg	Ala	Asp	Leu	Pro
			260					265					270		
Val	Asp	Phe	His	Ile	Met	Gly	Asn	Val	Val	Tyr	Ala	Ile	Leu	Thr	Pro
		275					280					285			
Val	Leu	Asn	Pro	Leu	Ile	Tyr	Thr	Leu	Arg	Asn	Lys	Asp	Val	Lys	Ser
	290					295					300				
Ala	Ile	Thr	Lys	Met	Met	Cys	His	Gln	Asp	Pro	Lys	Ser	Ile	Gly	Lys
305					310					315					320
Pro															

<210> 2416

<211> 329

<212> PRT

<213> Mus musculus

<400> 2416

Met	Arg	Pro	Lys	Leu	His	Pro	Tyr	Arg	Met	Ala	Glu	Ser	Ser	Gln	Ser
1				5					10					15	
Asn	Ser	Thr	Phe	Gln	His	Pro	Ala	Phe	Phe	Ile	Leu	Thr	Gly	Ile	Pro
			20					25					30		
Ala	Leu	Gly	Asp	Gly	Gln	Ala	Trp	Leu	Ser	Leu	Val	Phe	Gly	Leu	Met
		35					40					45			
Tyr	Leu	Leu	Ala	Leu	Leu	Gly	Asn	Ala	Thr	Leu	Leu	Thr	Val	Ile	Arg
	50					55					60				
Ile	Asp	Ser	Thr	Leu	His	Gln	Pro	Met	Phe	Leu	Leu	Leu	Ala	Thr	Leu
65					70					75					80
Ala	Ala	Thr	Asp	Leu	Gly	Leu	Ala	Thr	Ser	Ile	Ala	Pro	Glu	Leu	Leu
			85						90					95	
Ala	Val	Leu	Trp	Leu	Gly	Pro	Gln	Pro	Val	Gln	Tyr	Thr	Ala	Cys	Leu
			100					105						110	
Ile	Gln	Met	Phe	Phe	Val	His	Ala	Leu	Thr	Ala	Met	Glu	Ser	Gly	Val
		115					120					125			
Leu	Leu	Ala	Met	Ala	Cys	Asp	Arg	Ala	Val	Ala	Val	Gly	Arg	Pro	Leu
	130					135					140				
His	Tyr	Pro	Ile	Leu	Val	Thr	Lys	Ala	Arg	Val	Gly	Tyr	Ala	Val	Leu
145					150					155					160
Ala	Leu	Thr	Leu	Lys	Val	Leu	Ala	Val	Ile	Val	Pro	Phe	Pro	Leu	Leu
			165						170					175	
Val	Val	Arg	Phe	Lys	His	Phe	His	Ala	Lys	Ile	Ile	His	His	Ala	Tyr
			180					185						190	
Cys	Ala	His	Met	Ala	Val	Val	Glu	Leu	Val	Val	Gly	Asn	Thr	Trp	Val
		195					200					205			
Asn	Asn	Met	Tyr	Gly	Leu	Ala	Leu	Ser	Leu	Ala	Val	Ser	Gly	Val	Asp
	210					215					220				
Ile	Leu	Gly	Ile	Ala	Gly	Ser	Tyr	Gly	Leu	Ile	Ala	His	Ala	Val	Leu
225					230					235					240
Arg	Leu	Pro	Thr	Gln	Glu	Ala	Arg	Val	Lys	Ala	Phe	Gly	Thr	Cys	Ser
				245					250					255	
Ser	His	Ile	Cys	Val	Ile	Leu	Ala	Phe	Tyr	Val	Pro	Gly	Leu	Phe	Ser
			260					265					270		
Phe	Leu	Thr	His	Arg	Phe	Gly	Arg	His	Thr	Val	Pro	Lys	Pro	Val	His
		275					280					285			
Ile	Leu	Leu	Ser	Ile	Ile	Tyr	Leu	Leu	Leu	Pro	Pro	Ala	Leu	Asn	Pro
	290					295					300				
Leu	Ile	Tyr	Gly	Val	Arg	Thr	Lys	Gln	Ile	Arg	Asp	Arg	Phe	Leu	Glu
305					310					315					320
Met	Phe	Lys	Phe	Arg	Lys	Lys	Gln	Phe							

<210> 2417

<211> 322

<212> PRT

<213> Mus musculus

<400> 2417

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Met Gly Glu Asp Gly Asn Thr Ser Ile Phe Asn Leu Ser Tyr Ser Ser
 1          5          10          15
Phe Leu Leu Val Gly Phe Pro Gly Leu Gln Glu Gly Arg Pro Leu Leu
 20          25          30
Val Leu Pro Leu Thr Phe Leu Tyr Val Ser Ile Val Ser Ala Asn Ala
 35          40          45
Leu Val Ile His Thr Val Val Ala Gln Arg Ser Leu His Gln Pro Met
 50          55          60
Tyr Val Leu Ile Ala Leu Leu Leu Ala Val Asn Ile Cys Ala Ser Thr
 65          70          75          80
Ala Val Met Pro Lys Met Leu Glu Gly Phe Val His Tyr Ala Asn Pro
 85          90          95
Ile Ser Leu Arg Gly Cys Leu Thr Gln Met Phe Phe Ile Tyr Phe Thr
100          105          110
Leu Leu Leu Asp Tyr Asn Leu Leu Leu Ala Met Ala Leu Asp Arg Tyr
115          120          125
Val Ala Ile Cys His Pro Leu Arg Tyr Thr Asp Leu Met Thr Ser His
130          135          140
Leu Leu Gly Leu Met Ala Thr Phe Ala Ile Thr Arg Ser Leu Gly Val
145          150          155          160
Ala Val Pro Leu Val Val Leu Thr Ala Lys Ala Gln Phe Cys Lys Thr
165          170          175
Ser Val Ile Arg His Phe Thr Cys Glu Tyr Ile Ala Leu Leu Ser Ile
180          185          190
Ala Cys Gly Asp Leu Thr Phe Asn Asn Arg Leu Gly Leu Ala Met Arg
195          200          205
Leu Val Thr Val Thr Phe Asp Leu Ala Leu Leu Gly Thr Ser Tyr Thr
210          215          220
Arg Ile Ile Tyr Ala Ala Phe Arg Ile Ser Ser Gly Gly Ala Arg Ala
225          230          235          240
Lys Ala Leu His Thr Cys Gly Ser His Leu Leu Val Ile Leu Thr Ile
245          250          255
Tyr Leu Ser Gly Leu Ser Thr Ser Ile Val Phe Arg Val Ala Lys Thr
260          265          270
Val Ser Gln Asp Val Gln Asn Leu Leu Ser Ala Ile Tyr Leu Leu Leu
275          280          285
Pro Gly Ala Leu Asn Pro Leu Ile Tyr Gly Val Arg Thr Lys Glu Ile
290          295          300
Arg Gln His Ile Glu Lys Met Leu Cys Gly Met Gln Ser Pro Gln Asp
305          310          315          320
Ser Arg

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<210> 2418

<211> 312

<212> PRT

<213> Mus musculus

<400> 2418

Met	Phe	Asn	Ser	Ser	Gln	Phe	Thr	Pro	Lys	Tyr	Phe	Leu	Leu	Thr	Gly
1				5					10					15	
Phe	Pro	Gly	Leu	Glu	Ala	Trp	Tyr	Pro	Trp	Leu	Ile	Phe	Pro	Phe	Cys
		20						25					30		
Phe	Thr	Tyr	Thr	Ile	Gly	Ile	Met	Gly	Asn	Thr	Leu	Ile	Leu	Ala	Val
		35					40					45			
Ile	Arg	Lys	Asn	Ser	Ser	Leu	His	Gln	Pro	Met	Phe	Leu	Phe	Leu	Ala
	50					55					60				
Met	Leu	Ala	Phe	Ser	Glu	Leu	Gly	Val	Ser	Ala	Ser	Thr	Leu	Pro	Thr
65					70					75					80
Val	Leu	Ser	Ile	Phe	Leu	Leu	Gly	Ala	Asn	Lys	Ile	Cys	Phe	Glu	Ala
				85					90					95	
Cys	Leu	Leu	Gln	Met	Phe	Ser	Ile	His	Ser	Phe	Ser	Ile	Met	Glu	Ser
			100					105					110		
Gly	Val	Leu	Leu	Ala	Met	Ser	Val	Asp	Arg	Phe	Val	Ala	Ile	Tyr	Asn
		115					120					125			
Pro	Leu	Arg	Tyr	Thr	Ala	Ile	Leu	Thr	Leu	Pro	Arg	Ile	Ala	Gly	Thr
	130					135					140				
Ser	Leu	Thr	Leu	Gly	Leu	Lys	Ser	Leu	Leu	Leu	Met	Phe	Pro	Leu	Pro
145					150					155					160
Phe	Leu	Leu	Lys	Arg	Leu	Pro	Phe	Cys	Gly	His	Asn	Val	Leu	Ser	His
				165					170					175	
Ser	Tyr	Cys	Leu	His	Ser	Asp	Leu	Ile	Gln	Leu	Pro	Cys	Gly	Asp	Thr
		180					185					190			
Arg	Pro	Asn	Ser	Ile	Leu	Gly	Leu	Cys	Ile	Val	Thr	Ser	Thr	Phe	Gly
		195				200						205			
Leu	Asp	Ser	Leu	Leu	Ile	Val	Val	Ser	Tyr	Val	Leu	Ile	Leu	Tyr	Thr
	210					215					220				
Val	Leu	Asn	Ile	Thr	Ser	Gly	Glu	Gly	Arg	Arg	Lys	Ala	Leu	Asn	Thr
225					230					235					240
Cys	Val	Ser	His	Met	Cys	Ala	Val	Leu	Val	Tyr	Tyr	Val	Pro	Met	Ile
				245					250					255	
Ser	Val	Ala	Leu	Val	His	Arg	Phe	Met	Lys	His	Ala	Val	Pro	Ala	Val
		260						265					270		
Arg	Leu	Leu	Leu	Ala	Asn	Ile	Tyr	Leu	Leu	Val	Pro	Pro	Met	Leu	Asn
		275					280					285			
Pro	Ile	Ile	Tyr	Ser	Ala	Lys	Asn	Arg	Gln	Ile	Arg	Gln	Gly	Leu	Ile
	290					295					300				
Gln	Leu	Phe	Leu	Gln	Arg	Lys	Tyr								
305					310										

<210> 2419

<211> 320

<212> PRT

<213> Mus musculus

<400> 2419

Leu	Asp	Thr	Lys	Arg	Ala	Thr	Asn	Ser	Ser	Glu	Phe	Gln	Val	Ser	Glu
1				5					10					15	
Phe	Ile	Leu	Leu	Gly	Phe	Pro	Gly	Ile	His	Glu	Phe	Gln	Ile	Trp	Leu
		20						25					30		
Ser	Leu	Pro	Met	Ala	Leu	Leu	Tyr	Ile	Val	Ala	Leu	Gly	Ala	Asn	Leu
		35					40					45			
Leu	Ile	Leu	Ile	Thr	Ile	Tyr	Leu	Glu	Pro	Thr	Leu	His	Gln	Pro	Met
	50					55					60				
Tyr	Gln	Phe	Leu	Gly	Ile	Leu	Ala	Ala	Val	Asp	Ile	Gly	Leu	Ala	Thr
65					70					75					80
Thr	Ser	Met	Pro	Lys	Ile	Leu	Ala	Ile	Leu	Trp	Phe	Asp	Ala	Lys	Thr

Asp	Asn	His	Ile	Glu	Asn	Phe	Phe	Cys	Glu	Ala	Pro	Ile	Val	Ile	Ala
			180					185					190		
Leu	Ser	Cys	Gly	Asp	Leu	Lys	Phe	Thr	Met	Lys	Leu	Ile	Phe	Val	Asp
		195					200						205		
Ala	Ile	Val	Val	Leu	Leu	Ser	Pro	Met	Val	Leu	Ile	Ile	Thr	Ser	Tyr
		210					215					220			
Ala	Arg	Ile	Leu	Ala	Ser	Ile	Leu	Arg	Arg	Ala	Ser	Ser	Ser	Gly	Arg
					230					235					240
Gly	Lys	Thr	Phe	Ser	Thr	Cys	Ala	Ser	His	Leu	Thr	Val	Val	Val	Phe
				245					250					255	
Phe	Tyr	Thr	Ser	Ala	Met	Phe	Ser	Tyr	Met	Asn	Pro	Arg	Ser	Thr	His
			260					265					270		
Gly	Pro	Asp	Lys	Asp	Lys	Pro	Phe	Ser	Leu	Leu	Tyr	Thr	Ile	Ile	Thr
		275					280						285		
Pro	Met	Cys	Asn	Pro	Val	Ile	Tyr	Ser	Phe	Arg	Asn	Lys	Glu	Met	Lys
		290				295					300				
Gly	Ala	Met	Gly	Arg	Ala	Leu	Gly	Ile	Gly	Ser	Leu	Ala	Gln	Ala	Glu
					310					315					320
Ser	Val														

<210> 2421

<211> 322

<212> PRT

<213> Mus musculus

<400> 2421

Arg	Pro	Gln	Lys	Gly	Asp	Ser	Arg	Asn	Ser	Ser	Ser	Thr	Val	Thr	Glu
1				5					10					15	
Phe	Ile	Leu	Val	Gly	Phe	Glu	Gln	Ser	Pro	Ser	Thr	Arg	Ala	Leu	
			20					25				30			
Leu	Phe	Thr	Leu	Phe	Leu	Ala	Leu	Tyr	Ser	Leu	Ala	Met	Ala	Met	Asn
		35					40					45			
Gly	Leu	Ile	Ile	Phe	Ile	Thr	Trp	Thr	Asp	Pro	Arg	Leu	Asn	Ser	Pro
		50				55				60					
Met	Tyr	Phe	Phe	Leu	Gly	His	Leu	Ser	Phe	Leu	Asp	Val	Cys	Phe	Ile
				70					75					80	
Thr	Thr	Thr	Ile	Pro	Gln	Met	Leu	Val	His	Leu	Val	Thr	Lys	Asn	His
				85					90					95	
Thr	Val	Ser	Phe	Ala	Ser	Cys	Leu	Thr	Gln	Met	Tyr	Leu	Val	Phe	Gly
			100					105					110		
Val	Gly	Val	Ala	Glu	Cys	Ile	Leu	Leu	Ala	Phe	Met	Ala	Tyr	Asp	Arg
		115					120					125			
Tyr	Val	Ala	Ile	Cys	His	Pro	Leu	Asn	Tyr	Ala	Gln	Ile	Met	Ser	Gln
		130				135					140				
Lys	Val	Cys	Val	Arg	Leu	Val	Cys	Ser	Ser	Trp	Ile	Phe	Gly	Met	Val
					150					155					160
Asn	Gly	Ile	Leu	Leu	Asp	Tyr	Met	Thr	Phe	Arg	Gly	Pro	Phe	Cys	Arg
				165					170					175	
Glu	Asn	His	Ile	Glu	Asn	Phe	Phe	Cys	Glu	Ala	Pro	Ile	Val	Ile	Ala
			180					185					190		
Leu	Ser	Cys	Gly	Asp	Pro	Glu	Phe	Ser	Leu	Lys	Val	Ile	Phe	Met	Asp
		195					200					205			
Ala	Ile	Val	Val	Leu	Leu	Ser	Pro	Met	Val	Leu	Ile	Val	Thr	Ser	Tyr
		210					215					220			
Ala	Arg	Ile	Leu	Ala	Ser	Ile	Leu	Arg	Arg	Ala	Ser	Ser	Ala	Gly	Arg
					230					235					240
Gly	Lys	Thr	Phe	Ser	Thr	Cys	Ala	Ser	His	Leu	Thr	Val	Val	Val	Phe

<210> 2423
 <211> 316
 <212> PRT
 <213> Mus musculus

<400> 2423
 Met Glu Leu Trp Asn Ser Thr Leu Glu Ser Gly Phe Ile Leu Val Gly
 1 5 10 15
 Ile Leu Asn Gly Ser Ser Ser Pro Glu Leu Leu Cys Ala Ile Val Thr
 20 25 30
 Ala Leu Tyr Met Leu Ala Leu Ile Ser Asn Gly Leu Leu Leu Val
 35 40 45
 Ile Thr Val Asp Ala Arg Leu His Val Pro Met Tyr Leu Leu Arg
 50 55 60
 Gln Leu Ser Leu Ile Asp Leu Leu Phe Thr Ser Val Val Thr Pro Lys
 65 70 75 80
 Ala Val Met Asp Phe Leu Leu Arg Asp Asn Thr Ile Ser Phe Gly Gly
 85 90 95
 Cys Ala Leu Gln Met Ala Leu Ala Leu Met Leu Gly Ser Ala Glu Asp
 100 105 110
 Leu Leu Leu Ala Phe Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys His
 115 120 125
 Pro Leu Asn Tyr Met Val Phe Met Ser Pro Thr Val Cys Trp Leu Ile
 130 135 140
 Val Ser Thr Ser Trp Ile Leu Ala Ser Leu Thr Ala Val Gly His Thr
 145 150 155 160
 Val Tyr Thr Met His Phe Pro Phe Cys Met Ser Gln Glu Ile Arg His
 165 170 175
 Leu Leu Cys Glu Ile Leu Pro Leu Leu Lys Leu Ser Cys Val Asp Thr
 180 185 190
 Ser Gln Tyr Glu Leu Met Val Tyr Val Thr Gly Val Thr Phe Leu Leu
 195 200 205
 Leu Pro Leu Ser Ala Ile Val Thr Ser Tyr Thr Leu Ile Leu Ser Thr
 210 215 220
 Val Leu His Met Pro Ser Asn Glu Gly Lys Lys Lys Ala Leu Val Thr
 225 230 235 240
 Cys Leu Ser His Leu Met Val Val Gly Met Phe Tyr Gly Ala Ala Thr
 245 250 255
 Phe Met Tyr Val Leu Pro Ser Ser Leu His Ser Ala Lys Gln Asp Asn
 260 265 270
 Ile Ile Ser Val Phe Tyr Thr Ile Val Thr Pro Ala Leu Asn Pro Leu
 275 280 285
 Ile Tyr Ser Leu Arg Asn Lys Glu Val Ile Gly Ala Leu Arg Arg Val
 290 295 300
 Leu Gly Arg Tyr Ile Leu Pro Ala His Leu Thr Leu
 305 310 315

<210> 2424
 <211> 316
 <212> PRT
 <213> Mus musculus

<400> 2424
 Met Glu Asn Ile Thr Asn Ile Ser Glu Phe Ile Leu Met Gly Phe Pro
 1 5 10 15
 Thr Ala Pro Trp Leu Gln Ile Leu Leu Phe Ser Ile Phe Phe Ile Thr

Cys	Leu	Met	Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys
		115					120					125			
Asn	Pro	Leu	Leu	Tyr	Thr	Ile	Lys	Met	Ser	Lys	Lys	Leu	Cys	Ile	Gln
	130					135					140				
Leu	Val	Ala	Val	Ala	Tyr	Ala	Ile	Gly	Leu	Val	Asp	Ser	Thr	Ile	His
145					150					155					160
Thr	Ser	Cys	Ala	Phe	Arg	Leu	Ser	Phe	Cys	Asn	Ser	Asn	Val	Ile	Asn
			165						170					175	
His	Phe	Phe	Cys	Asp	Leu	Pro	Pro	Leu	Leu	Ala	Leu	Ser	Cys	Ser	Asp
			180					185					190		
Thr	Ser	Ile	Asn	Glu	Ile	Val	Met	Phe	Thr	Leu	Ile	Gly	Cys	Val	Val
		195					200					205			
Gly	Cys	Ser	Ile	Val	Thr	Val	Leu	Leu	Ser	Tyr	Cys	Tyr	Ile	Ile	Ala
	210					215					220				
Thr	Ile	Cys	Arg	Met	Asn	Ser	Ala	Glu	Gly	Arg	His	Lys	Ala	Phe	Ser
225					230					235					240
Thr	Cys	Ala	Ser	His	Leu	Met	Ala	Leu	Ala	Ile	Phe	Tyr	Gly	Thr	Leu
				245					250					255	
Leu	Phe	Met	Tyr	Phe	Arg	Pro	Ser	Ser	Ser	Tyr	Ser	Met	Asp	Thr	Asp
			260					265					270		
Lys	Met	Ala	Ser	Val	Phe	Tyr	Thr	Val	Val	Ile	Pro	Met	Leu	Asn	Pro
		275					280					285			
Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Gly	Ala	Leu	Lys	Lys
	290					295					300				
Ala	Ile	Asn	Ile	Asn	Leu	Trp	Pro	Gly							
305					310										

<210> 2426

<211> 323

<212> PRT

<213> Mus musculus

<400> 2426

Met	Phe	Tyr	Leu	Leu	Ser	Val	Asp	Glu	Glu	Lys	Ile	Lys	Ala	Glu	Lys
1				5					10					15	
Ser	Asn	Ala	Ser	Ser	Leu	Ile	Glu	Phe	Ile	Leu	Leu	Gly	Phe	Ser	Asp
		20						25					30		
Val	Pro	Asn	Leu	Gln	Trp	Ile	Leu	Phe	Gly	Ile	Phe	Leu	Ile	Met	Tyr
		35					40					45			
Leu	Thr	Ile	Leu	Met	Cys	Asn	Ser	Thr	Ile	Val	Leu	Ile	Thr	Arg	Thr
	50					55					60				
Asp	Pro	Ala	Leu	Gln	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser	Asn	Phe	Ser
65					70					75					80
Phe	Val	Glu	Ile	Cys	Tyr	Val	Thr	Val	Thr	Ile	Pro	Arg	Met	Leu	Val
			85					90					95		
Asp	Leu	Cys	Thr	Gln	Lys	Gly	Asn	Ile	Ser	Ile	Leu	Ala	Cys	Ala	Thr
			100					105					110		
Gln	Met	Cys	Phe	Ile	Leu	Met	Leu	Gly	Gly	Thr	Glu	Cys	Leu	Leu	Leu
		115					120					125			
Thr	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asn	Pro	Leu	His
	130					135					140				
Tyr	Ser	Leu	Val	Met	Asn	His	Arg	Ile	Cys	Thr	Gln	Leu	Val	Ala	Ala
145					150					155					160
Cys	Trp	Ile	Ser	Val	Ile	Pro	Val	Val	Ile	Gly	Gln	Thr	Tyr	Gln	Ile
				165						170				175	
Phe	Ser	Leu	Pro	Phe	Cys	Gly	Ser	Asn	Arg	Ile	Asn	His	Phe	Ile	Cys
			180					185					190		
Asp	Ile	Pro	Pro	Val	Leu	Lys	Leu	Ala	Cys	Gly	Asp	Thr	Phe	Val	Asn

Ala	Ser	Val	Phe	Tyr	Thr	Val	Val	Ile	Pro	Met	Leu	Asn	Pro	Leu	Ile
		275					280					285			
Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Gly	Ala	Leu	Lys	Lys	Val	Ile
	290					295					300				
Asn	Ile	Asn	Leu	Trp	Pro	Gly									
305					310										

<210> 2428

<211> 314

<212> PRT

<213> Mus musculus

<400> 2428

Met	Lys	His	Thr	Asp	Ile	Arg	Glu	Glu	Asp	Asn	Ala	Ser	Thr	Val	Thr
1				5					10					15	
Gln	Phe	Leu	Leu	Leu	Gly	Phe	Ser	Asp	Leu	Pro	Asn	Leu	Gln	Ser	Phe
			20					25					30		
Leu	Phe	Gly	Val	Phe	Ser	Ile	Met	Tyr	Leu	Ile	Met	Leu	Ile	Ala	Asn
		35					40					45			
Ser	Phe	Ile	Ile	Val	Ile	Thr	Lys	Leu	Asp	Pro	Thr	Leu	Gln	Lys	Pro
	50					55					60				
Met	Tyr	Phe	Phe	Leu	Val	Asn	Phe	Ser	Phe	Leu	Glu	Ile	Cys	Tyr	Val
65					70					75					80
Ser	Val	Ile	Leu	Pro	Arg	Val	Leu	Tyr	Ser	Ile	Trp	Thr	Gln	Asp	Arg
				85					90					95	
Asn	Ile	Ser	Leu	Leu	Ala	Cys	Ala	Thr	Gln	Met	Cys	Phe	Phe	Leu	Met
			100					105					110		
Leu	Ala	Ala	Thr	Glu	Ser	Ile	Phe	Leu	Ala	Val	Met	Ser	Tyr	Asp	Arg
		115					120					125			
Tyr	Val	Ala	Ile	Cys	Ser	Pro	Leu	His	Tyr	Pro	Leu	Val	Met	Ser	Pro
	130					135					140				
Arg	Lys	Cys	Arg	Gln	Leu	Ala	Ala	Gly	Ser	Trp	Leu	Gly	Gly	Met	Pro
145					150					155					160
Phe	Gln	Val	Gly	Gln	Thr	Cys	Gln	Ile	Phe	Ser	Leu	His	Phe	Cys	Asn
				165					170					175	
Ser	Asn	Gln	Ile	Glu	His	Phe	Phe	Cys	Asp	Ile	Pro	Pro	Val	Leu	Lys
		180						185					190		
Leu	Ala	Cys	Gly	Asp	Thr	Ser	Val	Ile	Glu	Met	Tyr	Val	Tyr	Val	Val
		195					200					205			
Ala	Ile	Leu	Leu	Ala	Ala	Ile	Pro	Phe	Ile	Leu	Ile	Leu	Thr	Ser	Tyr
	210					215					220				
Ser	Lys	Ile	Ile	Ala	Thr	Ile	Leu	Arg	Leu	Pro	Thr	Ala	Glu	Gly	Arg
225					230					235					240
Ser	Lys	Ala	Phe	Phe	Thr	Cys	Ser	Ser	His	Leu	Val	Val	Val	Val	Leu
			245						250					255	
Phe	Phe	Ala	Pro	Ala	Ser	Ile	Thr	Tyr	Leu	Met	Pro	Lys	Ser	Ser	His
			260					265					270		
Ser	Ala	Val	Ser	Asp	Lys	Phe	Leu	Ser	Leu	Phe	Tyr	Thr	Ile	Ile	Thr
		275					280					285			
Pro	Val	Phe	Asn	Pro	Met	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Ile
	290					295					300				
Ala	Ala	Leu	Arg	Arg	Leu	Leu	Leu	Thr	Thr						
305					310										

<210> 2429

<211> 310

<212> PRT

<213> Mus musculus

<400> 2429

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Met Asn Asn Lys Thr Val Phe Ser Gln Phe Leu Leu Leu Gly Leu Pro
 1      5      10      15
Ile Pro Pro Glu His Gln His Leu Phe Tyr Ala Leu Phe Leu Ala Met
 20      25      30
Tyr Leu Thr Thr Val Leu Gly Asn Leu Ile Ile Ile Asn Leu Ile Ile
 35      40      45
Leu Asp Ser His Leu His Thr Pro Met Tyr Leu Phe Leu Ser Asn Leu
 50      55      60
Ser Phe Ser Asp Leu Cys Phe Ser Ser Val Thr Met Pro Lys Leu Leu
 65      70      75      80
Gln Asn Met Gln Ser Gln Asp Thr Ser Ile Thr Tyr Val Gly Cys Leu
 85      90      95
Thr Gln Met Tyr Phe Leu Leu Val Phe Gly Asp Leu Glu Ser Phe Leu
100      105      110
Leu Leu Val Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Phe Pro Leu
115      120      125
His Tyr Thr Ser Ile Met Ser Leu Lys Leu Cys Val Tyr Leu Val Leu
130      135      140
Met Ser Trp Val Phe Asn Leu Leu Tyr Ser Met Leu His Ser Leu Leu
145      150      155      160
Leu Ala Arg Leu Ser Phe Cys Glu Asp Asn Val Ile Arg His Phe Phe
165      170      175
Cys Asp Ile Pro Ala Leu Leu Lys Leu Thr Cys Ser Asp Ile His Ile
180      185      190
Asn Glu Leu Met Ile Leu Val Leu Gly Gly Leu Thr Met Val Ile Pro
195      200      205
Phe Leu Leu Ile Val Val Ser Tyr Val Gln Ile Val Ser Ser Ile Leu
210      215      220
Asn Ile Ser Ser Ala Arg Val Ile Gln Lys Ile Phe Ser Thr Cys Gly
225      230      235      240
Ser His Leu Ser Val Val Ser Leu Phe Tyr Gly Thr Ile Phe Gly Leu
245      250      255
Tyr Leu Cys Pro Ser Ala Asn Asn Ser Thr Val Lys Glu Ile Val Met
260      265      270
Ala Met Met Cys Thr Val Val Thr Pro Met Leu Asn Pro Phe Ile Tyr
275      280      285
Arg Leu Arg Asn Arg Asn Met Lys Glu Ala Leu Ile Arg Val Leu Phe
290      295      300
Lys Lys Lys Ile Ser Leu
305      310
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<210> 2430

<211> 313

<212> PRT

<213> Mus musculus

<400> 2430

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Met Ala Asn Ser Asn His Ser Ala Val Ser Glu Phe Ile Leu Val Gly
 1      5      10      15
Leu Thr Asp Asp Ser Glu Leu Gln Val Ser Leu Phe Gly Val Phe Leu
 20      25      30
Val Ile Tyr Leu Thr Ser Val Val Gly Asn Val Gly Leu Ile Val Leu
 35      40      45
Ile Gln Val Ser Pro Gln Leu His Thr Pro Met Tyr Phe Phe Leu Thr
 50      55      60
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His	Leu	Ala	Phe	Ile	Asp	Phe	Cys	Phe	Thr	Ser	Ser	Val	Thr	Pro	Asn
65					70					75					80
Thr	Leu	Val	Asn	Phe	Leu	Arg	Glu	Val	Lys	Ser	Ile	Thr	Phe	Tyr	Ala
			85						90					95	
Cys	Ala	Thr	Gln	Leu	Cys	Cys	Phe	Val	Thr	Phe	Val	Val	Cys	Glu	Leu
			100					105					110		
Tyr	Leu	Leu	Ser	Ile	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Trp	Asn
		115					120					125			
Pro	Leu	Leu	Tyr	Ala	Val	Arg	Met	Pro	Arg	Glu	Leu	Cys	Leu	Gln	Val
	130					135					140				
Ile	Ala	Ser	Thr	Tyr	Ile	Tyr	Gly	Phe	Thr	Val	Gly	Leu	Ala	Gln	Ala
145					150					155					160
Val	Ala	Thr	Phe	Arg	Leu	Ser	Phe	Cys	Gly	Ser	Asn	Val	Ile	Asn	His
			165						170					175	
Phe	Tyr	Cys	Asp	Asp	Val	Pro	Leu	Val	Ala	Leu	Ala	Cys	Ser	Asp	Thr
			180					185					190		
His	Val	Lys	Glu	Leu	Met	Leu	Leu	Ile	Ile	Ala	Gly	Phe	Asn	Thr	Leu
		195					200					205			
Cys	Ser	Leu	Val	Ile	Val	Val	Ile	Ser	Tyr	Ile	Cys	Ile	Leu	Phe	Ala
	210					215					220				
Ile	Leu	Arg	Ile	His	Ser	Ala	Glu	Gly	Arg	Arg	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Ala	Ser	His	Leu	Thr	Ser	Ile	Thr	Ile	Phe	Tyr	Gly	Thr	Val	Ser
			245						250					255	
Phe	Met	Tyr	Leu	Gln	Pro	Lys	Ser	Ser	His	Ser	Leu	Asn	Thr	Asp	Lys
			260					265					270		
Phe	Ala	Ser	Val	Phe	Tyr	Val	Val	Val	Ile	Pro	Met	Leu	Asn	Pro	Leu
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Gln	Glu	Val	Lys	Ser	Ala	Leu	Lys	Arg	Ile
	290					295					300				
Val	Glu	Lys	Leu	Ser	Ser	Ala	Ile	Lys							
305					310										

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 <212> PRT
 <213> Mus musculus

<400> 2431															
Met	Pro	Gly	Asn	Asn	Gln	Thr	Ile	Ile	Ser	Gln	Phe	Leu	Leu	Leu	Gly
1				5					10					15	
Leu	Pro	Ile	Ala	Pro	Glu	Tyr	Glu	His	Leu	Phe	Tyr	Ala	Leu	Phe	Leu
			20					25					30		
Ala	Met	Tyr	Leu	Thr	Thr	Val	Leu	Gly	Asn	Leu	Ile	Ile	Ile	Ile	Leu
		35					40					45			
Ile	Ile	Leu	Asp	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Leu	Phe	Leu	Ser
	50					55					60				
Asn	Leu	Ser	Phe	Ser	Asp	Leu	Cys	Phe	Ser	Ser	Val	Thr	Met	Pro	Lys
65					70					75					80
Leu	Leu	Gln	Asn	Met	Gln	Ser	Gln	Asp	Thr	Ser	Ile	Pro	Tyr	Ala	Gly
			85						90					95	
Cys	Leu	Thr	Gln	Val	Tyr	Phe	Phe	Leu	Phe	Phe	Ala	Ala	Leu	Glu	Asn
			100					105					110		
Phe	Leu	Leu	Val	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Phe
		115					120					125			
Pro	Leu	His	Tyr	Ala	Ser	Ile	Met	Ser	Pro	Lys	Leu	Cys	Val	Ser	Leu
	130					135					140				
Val	Leu	Leu	Ile	Trp	Val	Leu	Thr	Thr	Leu	Tyr	Ala	Met	Leu	His	Thr

145					150					155				160	
Leu	Leu	Leu	Thr	Arg	Leu	Ser	Phe	Cys	Glu	Asn	Asn	Val	Ile	Pro	His
				165					170					175	
Phe	Phe	Cys	Asp	Leu	Ser	Ala	Leu	Leu	Lys	Leu	Ala	Cys	Ser	Asp	Ile
			180					185						190	
His	Ile	Asn	Glu	Leu	Val	Ile	Leu	Ile	Ile	Gly	Gly	Leu	Val	Val	Leu
		195					200					205			
Leu	Pro	Phe	Leu	Leu	Ile	Ile	Val	Ser	Tyr	Ala	Arg	Ile	Ile	Ser	Ser
	210					215					220				
Ile	Leu	Lys	Val	Pro	Ser	Thr	Arg	Gly	Ile	His	Lys	Leu	Phe	Ser	Thr
225					230					235					240
Cys	Gly	Ser	His	Leu	Ser	Val	Val	Ser	Leu	Phe	Tyr	Gly	Thr	Ile	Ile
				245					250					255	
Gly	Ile	Tyr	Leu	Gly	Pro	Ser	Ala	Asn	Asn	Ser	Thr	Leu	Lys	Asp	Ile
		260						265					270		
Val	Met	Ser	Met	Met	Tyr	Thr	Val	Val	Thr	Pro	Met	Leu	Asn	Pro	Phe
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Arg	Asp	Ile	Lys	Gly	Ala	Leu	Lys	Lys	Val
	290					295					300				
Phe	Gln	Lys	Lys	Ser	Leu	Leu									
305					310										

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 <212> PRT
 <213> Mus musculus

<400> 2432

Met	Pro	Gly	Lys	Asn	Gln	Thr	Val	Ile	Ser	Arg	Phe	Ile	Leu	Leu	Gly
1				5					10					15	
Leu	Pro	Ile	Pro	Glu	His	Gln	His	Leu	Phe	Tyr	Ala	Leu	Phe	Leu	
			20				25					30			
Ala	Met	Tyr	Leu	Thr	Thr	Val	Leu	Gly	Asn	Leu	Val	Ile	Ile	Val	Leu
		35				40					45				
Ile	His	Leu	Asp	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Leu	Phe	Leu	Ser
	50				55					60					
Asn	Leu	Ser	Phe	Thr	Asp	Leu	Cys	Phe	Ser	Thr	Val	Thr	Met	Pro	Asn
65					70				75					80	
Phe	Leu	Gln	Asn	Met	Gln	Ser	Gln	Val	Ser	Ser	Ile	Pro	Tyr	Ala	Gly
			85					90					95		
Cys	Leu	Ala	Gln	Met	Tyr	Phe	Phe	Leu	Phe	Phe	Gly	Asp	Val	Glu	Ser
			100					105				110			
Leu	Leu	Leu	Val	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Phe
		115				120					125				
Pro	Leu	His	Tyr	Thr	Arg	Ile	Met	Ser	Pro	Asn	Leu	Cys	Val	Ser	Met
	130					135					140				
Val	Leu	Leu	Ser	Trp	Ala	Leu	Thr	Thr	Leu	Tyr	Ala	Met	Leu	His	Thr
145					150				155					160	
Leu	Leu	Leu	Thr	Arg	Leu	Ser	Phe	Cys	Lys	Asn	Asn	Val	Ile	Pro	His
				165					170					175	
Phe	Phe	Cys	Asp	Leu	Ser	Ala	Leu	Leu	Lys	Leu	Ala	Cys	Ser	Asp	Ile
			180					185					190		
His	Ile	Asn	Glu	Leu	Met	Ile	Met	Ile	Ile	Gly	Ala	Leu	Val	Val	Ile
		195					200					205			
Leu	Pro	Phe	Leu	Leu	Ile	Ile	Val	Ser	Tyr	Ala	His	Ile	Val	Ser	Ser
	210					215					220				
Ile	Leu	Lys	Val	Pro	Ser	Thr	Arg	Gly	Ile	His	Lys	Val	Phe	Ser	Thr
225					230					235					240

Cys	Gly	Ser	His	Leu	Ser	Val	Val	Ser	Leu	Phe	Tyr	Gly	Ser	Val	Ile	
				245					250					255		
Val	Leu	Tyr	Leu	Cys	Pro	Ser	Ser	Asn	Asn	Ser	Thr	Val	Lys	Asp	Thr	
			260					265					270			
Val	Met	Ser	Met	Met	Tyr	Thr	Val	Val	Thr	Pro	Met	Leu	Asn	Pro	Phe	
		275					280					285				
Ile	Tyr	Ser	Leu	Arg	Asn	Arg	Asp	Met	Lys	Glu	Ala	Leu	Lys	Arg	Val	
	290					295					300					
Leu	Gln	Lys	Lys	Ile	Lys	Leu	Ser									
305					310											

<210> 2433

<211> 315

<212> PRT

<213> Mus musculus

<400> 2433

Met	Glu	Arg	Gly	Asn	Gln	Thr	Val	Val	Ser	Glu	Phe	Leu	Leu	Leu	Gly	
1				5					10					15		
Leu	Pro	Ile	Glu	Pro	His	Gln	Gln	Asp	Leu	Phe	Tyr	Ala	Leu	Phe	Leu	
			20					25					30			
Ser	Met	Tyr	Leu	Thr	Thr	Ala	Leu	Gly	Asn	Leu	Ile	Ile	Ile	Ile	Leu	
		35					40					45				
Ile	His	Leu	Asp	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Leu	Phe	Leu	Ser	
	50					55					60					
Asn	Leu	Ser	Phe	Ser	Asp	Phe	Cys	Phe	Ser	Ser	Val	Thr	Ile	Pro	Lys	
65					70				75						80	
Leu	Leu	Gln	Asn	Met	Gln	Ser	Gln	Val	Pro	Ser	Ile	Pro	Tyr	Ala	Gly	
			85					90						95		
Cys	Leu	Ala	Gln	Met	Tyr	Phe	Phe	Leu	Leu	Phe	Ala	Asp	Leu	Glu	Ser	
			100					105					110			
Phe	Leu	Leu	Val	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Phe	
		115					120					125				
Pro	Leu	His	Tyr	Thr	Ser	Ile	Met	Ser	Pro	Lys	Leu	Cys	Leu	Cys	Leu	
		130				135					140					
Val	Ala	Leu	Ser	Trp	Leu	Leu	Thr	Thr	Val	Ile	Ser	Leu	Ser	His	Thr	
145					150				155						160	
Leu	Leu	Met	Ala	Arg	Leu	Ser	Phe	Cys	Ala	Asn	Asn	Val	Ile	Pro	His	
			165						170					175		
Phe	Phe	Cys	Asp	Met	Ser	Ala	Leu	Leu	Lys	Leu	Ala	Cys	Ser	Asp	Ile	
			180					185					190			
Gln	Ile	Asn	Lys	Leu	Met	Ile	Phe	Ile	Leu	Gly	Gly	Leu	Val	Ile	Ile	
		195					200					205				
Val	Pro	Phe	Leu	Leu	Ile	Phe	Ser	Ser	Tyr	Ala	Arg	Ile	Val	Ser	Ser	
	210					215					220					
Ile	Leu	Lys	Val	Pro	Ser	Ser	Arg	Ser	Ile	Arg	Lys	Ala	Phe	Ser	Thr	
225					230					235					240	
Cys	Gly	Ser	His	Leu	Ser	Val	Val	Ser	Leu	Phe	Tyr	Gly	Thr	Ile	Ile	
			245						250					255		
Gly	Leu	Tyr	Leu	Cys	Pro	Ser	Ala	Asn	Asn	Ser	Thr	Ile	Lys	Glu	Thr	
			260					265					270			
Val	Met	Ala	Val	Met	Tyr	Thr	Val	Val	Thr	Pro	Met	Leu	Asn	Pro	Phe	
		275					280					285				
Ile	Tyr	Ser	Phe	Arg	Asn	Gln	Asp	Ile	Lys	Gly	Ala	Phe	Lys	Lys	Val	
	290					295					300					
Phe	Ser	Lys	Gln	Met	Ala	Asn	Phe	Ser	Leu	Arg						
305					310					315						

<210> 2434
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 <213> Mus musculus

<400> 2434

Met	Leu	Thr	Gly	Lys	Leu	Val	Leu	Asn	Gln	Ser	Gly	Thr	Pro	Glu	Phe
1				5					10					15	
Val	Phe	Arg	Val	Phe	Thr	Asn	Ala	Pro	Glu	Phe	Gln	Ala	Leu	Leu	Phe
			20				25					30			
Thr	Leu	Phe	Leu	Leu	Leu	Tyr	Leu	Met	Ile	Phe	Cys	Gly	Asn	Thr	Ala
		35				40					45				
Ile	Ile	Trp	Val	Val	Cys	Thr	His	Thr	Ser	Leu	His	Thr	Pro	Met	Tyr
	50					55					60				
Phe	Phe	Leu	Ser	Ser	Leu	Ser	Phe	Leu	Glu	Ile	Cys	Tyr	Thr	Thr	Asp
65					70					75					80
Val	Val	Pro	Leu	Met	Leu	Ser	Asn	Ile	Phe	Gly	Thr	Gln	Lys	Pro	Ile
				85					90				95		
Ser	Leu	Ala	Gly	Cys	Gly	Thr	Gln	Met	Phe	Phe	Phe	Leu	Thr	Leu	Gly
			100					105					110		
Gly	Thr	Asp	Cys	Phe	Leu	Leu	Ala	Ile	Met	Ala	Tyr	Asp	Arg	Tyr	Val
		115					120					125			
Ala	Ile	Cys	His	Pro	Leu	His	Tyr	Asn	Leu	Ile	Met	Thr	Lys	Lys	Leu
	130					135					140				
Cys	Val	Gln	Met	Val	Met	Gly	Ser	Leu	Ser	Leu	Ala	Leu	Phe	Leu	Ser
145					150					155					160
Leu	Gln	Leu	Thr	Ala	Leu	Ile	Phe	Thr	Leu	Pro	Phe	Cys	Gly	His	Tyr
				165					170					175	
Leu	Glu	Ile	Asn	His	Phe	Leu	Cys	Asp	Val	Pro	Pro	Val	Leu	Arg	Leu
			180					185					190		
Ala	Cys	Ala	Asp	Ile	His	Val	His	Gln	Ala	Val	Leu	Tyr	Val	Val	Gly
		195					200					205			
Ile	Leu	Val	Leu	Thr	Val	Pro	Phe	Leu	Leu	Ile	Phe	Ile	Ser	Tyr	Val
	210					215					220				
Phe	Ile	Val	Ser	Thr	Ile	Leu	Arg	Met	Arg	Ser	Ala	Glu	Gly	Arg	Gln
225					230					235					240
Arg	Ala	Phe	Ser	Thr	Cys	Ser	Ser	His	Leu	Thr	Val	Val	Leu	Leu	Gln
				245					250					255	
Tyr	Gly	Gly	Cys	Ser	Leu	Val	Tyr	Leu	Arg	Pro	Arg	Ser	Ser	Ser	Ser
			260					265					270		
Asp	Asp	Glu	Asp	Arg	Gln	Ile	Ala	Leu	Val	Tyr	Thr	Phe	Val	Thr	Pro
		275					280					285			
Leu	Leu	Asn	Pro	Leu	Ile	Tyr	Thr	Leu	Arg	Asn	Lys	Asp	Val	Lys	Gly
	290					295					300				
Ala	Leu	Arg	Asn	Ser	Ile	Phe	Cys	Lys	Ser	Ala	Ser	His	Cys	Ser	
305					310					315					

<210> 2435
 <211> 319
 <212> PRT
 <213> Mus musculus

<400> 2435

Met	Val	Asp	Arg	Asn	Pro	Phe	Phe	Asn	Lys	Ser	Gly	Pro	Pro	Glu	Phe
1				5					10					15	
Val	Phe	Arg	Val	Leu	Thr	Asn	Val	Pro	Glu	Phe	Gln	Ala	Ile	Leu	Phe
			20					25					30		

Thr	Leu	Phe	Phe	Leu	Leu	Tyr	Leu	Met	Ile	Leu	Cys	Gly	Asn	Thr	Thr	
		35					40					45				
Ile	Ile	Trp	Val	Val	Cys	Asn	His	Ser	Ser	Leu	His	Thr	Pro	Met	Tyr	
	50					55					60					
Phe	Phe	Leu	Gly	Ser	Leu	Ser	Phe	Val	Glu	Ile	Cys	Tyr	Ile	Thr	Asp	
65					70					75					80	
Val	Val	Pro	Leu	Ile	Leu	Ser	Asn	Ile	Phe	Gly	Asp	Gln	Lys	Pro	Ile	
				85					90					95		
Ser	Leu	Ala	Gly	Cys	Gly	Thr	Gln	Met	Phe	Phe	Phe	Ser	Val	Phe	Gly	
			100					105					110			
Cys	Thr	Asp	Cys	Phe	Leu	Leu	Thr	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	
		115					120					125				
Ala	Ile	Cys	His	Pro	Leu	His	Tyr	Asn	Leu	Ile	Met	Thr	Gln	Lys	Leu	
	130					135					140					
Cys	Val	Gln	Met	Val	Ile	Gly	Ser	Leu	Ser	Leu	Ala	Leu	Leu	Leu	Ser	
145					150					155					160	
Leu	Glu	Leu	Thr	Ala	Phe	Thr	Phe	Thr	Leu	Pro	Phe	Cys	Arg	His	Arg	
				165					170					175		
Leu	Glu	Ile	Asn	His	Phe	Leu	Cys	Asp	Val	Ala	Pro	Ile	Met	Arg	Leu	
			180					185					190			
Ala	Cys	Ala	Asp	Ile	His	Val	Asn	Gln	Ala	Val	Leu	Tyr	Val	Val	Ser	
		195					200					205				
Ile	Leu	Val	Leu	Thr	Val	Pro	Phe	Leu	Leu	Ile	Phe	Ile	Ser	Tyr	Val	
	210					215					220					
Phe	Ile	Ala	Ser	Thr	Ile	Leu	Arg	Met	His	Ser	Ala	Glu	Gly	Arg	Gln	
225					230					235					240	
Arg	Ala	Phe	Ser	Thr	Cys	Ser	Ser	His	Leu	Thr	Val	Val	Leu	Leu	Gln	
				245					250					255		
Tyr	Gly	Cys	Cys	Ser	Leu	Val	Tyr	Leu	Arg	Pro	Arg	Ser	Ser	Thr	Ser	
		260						265					270			
Glu	Asp	Glu	Asp	Arg	Gln	Ile	Ala	Leu	Val	Tyr	Ile	Phe	Gly	Thr	Pro	
		275					280					285				
Leu	Leu	Asn	Pro	Leu	Ile	Tyr	Thr	Leu	Arg	Asn	Lys	Asp	Ile	Lys	Asp	
	290					295					300					
Ala	Leu	Arg	Asn	Ser	Phe	Phe	His	Val	Pro	Ala	Ser	Asp	Thr	Ser		
305					310					315						

<210> 2436

<211> 309

<212> PRT

<213> Mus musculus

<400> 2436

Met	Ala	Asp	Ile	His	Asn	Val	Thr	Glu	Phe	Leu	Phe	Leu	Gly	Leu	Ser	
1				5					10					15		
Ser	Asn	Lys	Glu	Val	Glu	Ile	Val	Cys	Phe	Val	Ile	Phe	Leu	Leu	Leu	
			20					25					30			
Tyr	Met	Ala	Ile	Val	Leu	Gly	Asn	Leu	Leu	Met	Val	Val	Thr	Val	Val	
		35					40					45				
Ala	Ser	Arg	Ser	Leu	Gly	Ser	Pro	Met	Tyr	Phe	Phe	Leu	Gly	Tyr	Leu	
	50					55				60						
Ser	Phe	Val	Glu	Ile	Cys	Tyr	Ser	Ser	Thr	Thr	Ala	Pro	Lys	Leu	Ile	
65					70					75					80	
Leu	Asp	Leu	Leu	Ala	Glu	Lys	Lys	Ser	Ile	Ser	Val	Trp	Gly	Cys	Met	
				85					90					95		
Thr	Gln	Leu	Phe	Phe	Met	His	Phe	Phe	Gly	Gly	Ala	Glu	Ile	Phe	Leu	
			100					105					110			
Leu	Thr	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu	

Phe	Val	Val	Leu	Leu	Ala	Ser	Tyr	Gly	Val	Ile	Leu	Phe	His	Leu	Arg
210						215					220				
Thr	Gln	Ser	Ala	Glu	Gly	Arg	Arg	Lys	Ala	Leu	Ser	Thr	Cys	Gly	Ser
225					230					235					240
His	Val	Thr	Val	Val	Ile	Leu	Phe	Phe	Gly	Pro	Cys	Val	Phe	Ile	Tyr
				245					250					255	
Leu	Arg	Pro	Ser	Asp	Thr	Leu	Pro	Val	Asp	Lys	Met	Ile	Ala	Val	Phe
			260					265					270		
Tyr	Thr	Val	Ile	Thr	Pro	Leu	Leu	Asn	Pro	Leu	Ile	Tyr	Ser	Leu	Arg
		275					280					285			
Asn	Ala	Glu	Val	Lys	Lys	Ala	Met	Lys	Ser	Leu	Trp	Phe	Arg	Thr	Met
290						295					300				
Lys	Val	Asp	Glu	Lys											
305															

<210> 2438

<211> 309

<212> PRT

<213> Mus musculus

<400> 2438

Met	Glu	Asn	Lys	Arg	Asn	Val	Thr	Glu	Phe	Ile	Leu	Ile	Gly	Leu	Thr
1				5					10					15	
Gln	Asn	Pro	Gln	Met	Gln	Lys	Val	Val	Phe	Val	Thr	Phe	Leu	Val	Leu
			20					25					30		
Tyr	Met	Thr	Thr	Ile	Ser	Gly	Asn	Leu	Leu	Ile	Val	Val	Thr	Ile	Ile
		35				40					45				
Asn	Ser	Gln	Ala	Leu	Asn	Ser	Pro	Met	Tyr	Phe	Phe	Leu	Ser	His	Leu
50					55					60					
Ser	Leu	Ile	Asp	Thr	Ile	Tyr	Thr	Ser	Ser	Ser	Ala	Pro	Lys	Leu	Ile
65					70					75					80
Ala	Asp	Ser	Leu	Gln	Glu	Asn	Lys	Val	Ile	Ser	Phe	Asn	Gly	Cys	Met
			85						90				95		
Ala	Gln	Val	Tyr	Ala	Glu	His	Ile	Phe	Gly	Ala	Thr	Glu	Ile	Ile	Leu
		100						105				110			
Leu	Thr	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu
		115				120						125			
His	Tyr	Met	Thr	Ile	Met	Ser	His	Lys	Leu	Cys	Ile	Leu	Leu	Val	Gly
	130					135					140				
Val	Ala	Trp	Thr	Gly	Gly	Phe	Leu	His	Ala	Thr	Ile	Gln	Ile	Leu	Phe
145				150					155					160	
Thr	Val	Trp	Leu	Pro	Phe	Cys	Gly	Pro	Asn	Ile	Ile	Asp	His	Phe	Met
			165					170					175		
Cys	Asp	Leu	Tyr	Pro	Leu	Leu	Glu	Leu	Val	Cys	Met	Asp	Thr	His	Ile
		180						185				190			
Leu	Gly	Leu	Phe	Val	Ala	Ala	Asn	Ser	Gly	Phe	Ile	Cys	Leu	Phe	Asn
	195						200					205			
Phe	Leu	Leu	Leu	Met	Gly	Ser	Tyr	Val	Ile	Ile	Leu	Arg	Ser	Leu	Lys
	210					215					220				
Asn	Tyr	Ser	Leu	Glu	Gly	Arg	Arg	Lys	Ala	Leu	Ser	Thr	Cys	Val	Ser
225					230					235					240
His	Ile	Thr	Val	Val	Val	Leu	Phe	Phe	Ile	Pro	Cys	Ile	Phe	Val	Tyr
			245						250					255	
Leu	Arg	Pro	Val	Thr	Thr	Leu	Pro	Leu	Asp	Lys	Gly	Val	Ala	Val	Phe
		260						265					270		
Tyr	Thr	Met	Val	Ala	Pro	Met	Leu	Asn	Pro	Leu	Ile	Tyr	Thr	Leu	Arg
	275						280					285			
Asn	Ala	Glu	Val	Lys	Asn	Ala	Ile	Lys	Lys	Leu	Trp	Arg	Lys	Lys	Val

290
Thr Ser Asp Ser Asn
305

295

300

<210> 2439
<211> 305
<212> PRT
<213> Mus musculus

<400> 2439
Met Met Asn Gly Thr Leu Val Thr Glu Phe Leu Ile Leu Gly Phe Ser
1 5 10 15
Glu Met Pro His Leu Arg Val Pro Leu Phe Ser Phe Leu Cys Leu
20 25 30
Tyr Met Ala Ala Ile Ser Gly Asn Leu Leu Ile Met Val Thr Ile Ser
35 40 45
Ala Ser Pro Ala Leu His Thr Pro Met Tyr Phe Phe Leu Val Asn Leu
50 55 60
Ala Ile Val Asp Ile Leu Cys Thr Ser Thr Ile Leu Pro Lys Leu Leu
65 70 75 80
Asp Ser Met Met Thr Gly Arg Thr Ile Ser Tyr Gly Gly Cys Met Ala
85 90 95
Gln Leu Phe Phe Phe Thr Trp Ser Leu Gly Ala Glu Leu Leu Leu Phe
100 105 110
Ser Ala Met Ala Tyr Asp Arg Phe Val Ala Ile Cys Cys Pro Leu His
115 120 125
Tyr Ser Ala Trp Met Gly Pro Arg Val Cys Ala Phe Leu Ala Gly Ile
130 135 140
Val Trp Thr Ile Ser Leu Thr Asn Thr Ser Val His Thr Gly Leu Met
145 150 155 160
Leu Arg Leu Pro Phe Cys Ser Ser Asn Val Ile Glu His Phe Phe Cys
165 170 175
Glu Ile Pro Pro Leu Leu Lys Leu Ser Cys Ala Pro Thr Gln Leu Asn
180 185 190
Glu Ala Met Ala Phe Ala Ala Asp Val Phe Leu Ala Val Gly Asn Phe
195 200 205
Ser Val Thr Ile Leu Ser Tyr Gly Phe Ile Val Ala Ser Ile Leu Lys
210 215 220
Ile Arg Ser Ala Glu Gly Lys Arg Arg Ala Phe Ser Thr Cys Ser Ala
225 230 235 240
His Leu Ile Val Val Thr Met Tyr Tyr Ser Thr Val Ile Tyr Thr Tyr
245 250 255
Ile Arg Pro Ser Ser Ser Tyr Ser Leu Asn Lys Asp Lys Val Val Ser
260 265 270
Ile Ile Tyr Thr Ser Val Ala Pro Thr Leu Asn Pro Leu Ile Tyr Thr
275 280 285
Leu Arg Asn Lys Asp Val Lys Val Ala Leu Arg Arg Leu Leu Ser Cys
290 295 300
Cys
305

<210> 2440
<211> 314
<212> PRT
<213> Mus musculus

<400> 2440

Met	Glu	Glu	Glu	Asn	Gln	Thr	Gly	Val	Val	Tyr	Phe	His	Phe	Arg	Pro
1				5					10					15	
Phe	Ser	Thr	Asn	Ser	Thr	Val	Ala	Ser	Leu	Val	Phe	Val	Gly	Phe	Leu
			20					25					30		
Leu	Leu	Tyr	Leu	Gly	Ser	Leu	Ile	Gly	Asn	Leu	Thr	Ile	Gly	Leu	Thr
		35					40					45			
Val	Trp	Gln	Asp	His	Ser	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Phe
	50					55					60				
Val	Leu	Ala	Thr	Leu	Glu	Leu	Gly	Tyr	Ser	Thr	Asn	Ile	Ala	Pro	Leu
65					70					75				80	
Thr	Leu	Ala	Ser	Ile	Leu	Ser	Met	Gly	Lys	Met	Leu	Ile	Ser	Leu	Pro
				85					90					95	
Ser	Cys	Gly	Ala	Gln	Met	Phe	Phe	Phe	Ile	Leu	Leu	Gly	Gly	Ser	Asp
			100					105					110		
Cys	Val	Leu	Leu	Ala	Ile	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys
		115					120					125			
His	Pro	Leu	His	Tyr	Ser	Leu	Ile	Met	Ser	Trp	Gln	Leu	Cys	Gly	Gln
	130					135					140				
Met	Ala	Leu	Gly	Ser	Leu	Gly	Leu	Gly	Phe	Leu	Leu	Ser	Leu	Pro	Leu
145					150					155					160
Thr	Ile	Leu	Ile	Cys	His	Leu	Pro	Phe	Cys	Gly	His	Asn	Glu	Ile	Tyr
				165					170					175	
His	Phe	Phe	Cys	Asp	Met	Pro	Ala	Val	Met	Arg	Leu	Ala	Cys	Thr	Asp
			180					185					190		
Thr	His	Ile	His	Gln	Ala	Ala	Leu	Phe	Ala	Ile	Ser	Val	Ala	Ala	Val
		195					200					205			
Ala	Ile	Pro	Phe	Leu	Leu	Ile	Cys	Leu	Ser	Tyr	Gly	Cys	Ile	Val	Ala
	210					215					220				
Thr	Ile	Leu	Arg	Met	Thr	Ser	Ala	Glu	Gly	Lys	Arg	Arg	Ala	Phe	Ser
225					230					235					240
Thr	Cys	Ser	Ser	His	Leu	Leu	Val	Val	Val	Leu	Gln	Tyr	Gly	Cys	Cys
				245					250					255	
Thr	Leu	Ile	Tyr	Leu	Arg	Pro	Ser	Ser	Ser	Tyr	Ser	Pro	Glu	Glu	Gly
			260					265					270		
Arg	Ala	Val	Ser	Val	Val	Tyr	Thr	Phe	Phe	Ser	Pro	Leu	Leu	Asn	Pro
		275					280					285			
Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Gln	Glu	Val	Thr	Asp	Ala	Val	Lys	Arg
	290					295					300				
Leu	Leu	Thr	Arg	Met	Phe	Trp	Phe	Arg	Lys						
305					310										

<210> 2441

<211> 312

<212> PRT

<213> Mus musculus

<400> 2441

Met	Glu	Pro	Gly	Asn	Tyr	Thr	Val	Val	Thr	Glu	Phe	Ile	Leu	Leu	Gly
1				5					10					15	
Leu	Thr	Asp	Asp	Ile	Thr	Val	Ser	Val	Ile	Leu	Phe	Val	Met	Phe	Leu
			20					25					30		
Ile	Val	Tyr	Ser	Val	Thr	Leu	Met	Gly	Asn	Leu	Asn	Ile	Ile	Val	Leu
		35					40					45			
Ile	Arg	Thr	Ser	Pro	Gln	Leu	His	Thr	Pro	Met	Tyr	Leu	Phe	Leu	Ser
	50					55					60				
His	Leu	Ala	Phe	Leu	Asp	Ile	Gly	Tyr	Ser	Ser	Ser	Val	Thr	Pro	Ile
65					70					75				80	
Met	Leu	Arg	Gly	Phe	Leu	Arg	Lys	Gly	Thr	Phe	Ile	Pro	Val	Ala	Gly

Phe	Cys	Asp	Val	Tyr	Pro	Leu	Leu	Lys	Leu	Ala	Cys	Ser	Asn	Thr	His
			180					185					190		
Ile	Ile	Gly	Leu	Leu	Val	Ile	Ala	Asn	Ser	Gly	Leu	Ile	Ala	Leu	Val
		195					200					205			
Thr	Phe	Val	Val	Leu	Met	Thr	Ser	Tyr	Phe	Phe	Ile	Leu	Tyr	Thr	Ile
	210					215					220				
Arg	Ala	Tyr	Ser	Ala	Glu	Ser	Arg	Ser	Lys	Ala	Leu	Ser	Thr	Cys	Ser
225					230					235					240
Ser	His	Leu	Thr	Val	Val	Val	Leu	Phe	Phe	Ala	Pro	Ala	Leu	Phe	Ile
				245						250				255	
Tyr	Ile	Arg	Pro	Ala	Thr	Thr	Phe	Pro	Glu	Asp	Lys	Val	Phe	Ala	Leu
			260				265						270		
Phe	Tyr	Thr	Ile	Ile	Ala	Pro	Met	Phe	Asn	Pro	Leu	Ile	Tyr	Thr	Leu
		275					280					285			
Arg	Asn	Thr	Glu	Met	Lys	Asn	Ala	Leu	Arg	Lys	Val	Trp	Gly	His	Gln
	290					295					300				
Gly	Leu	Leu	Lys	Gly	Arg										
305					310										

<210> 2443

<211> 322

<212> PRT

<213> Mus musculus

<400> 2443

His	Thr	Asn	Ser	Thr	Lys	Ile	Thr	Glu	Phe	Ile	Leu	Leu	Gly	Leu	Thr
1				5					10					15	
Asp	Arg	Pro	Glu	Leu	Gln	Pro	Leu	Leu	Phe	Val	Leu	Phe	Leu	Phe	Ile
			20					25					30		
Tyr	Leu	Val	Thr	Val	Leu	Gly	Asn	Met	Gly	Leu	Met	Ala	Leu	Ile	Arg
		35				40						45			
Leu	Asp	Ser	Arg	Leu	His	Lys	Pro	Met	Tyr	Phe	Phe	Leu	Ser	Asn	Leu
	50					55					60				
Ala	Phe	Val	Asp	Leu	Cys	Tyr	Thr	Ser	Thr	Ala	Thr	Pro	Gln	Met	Leu
65					70					75					80
Thr	Asn	Phe	Leu	Ser	Glu	Lys	Lys	Thr	Ile	Ser	Phe	Ile	Gly	Cys	Phe
			85						90					95	
Ile	Gln	Cys	Tyr	Leu	Phe	Ile	Ala	Leu	Leu	Thr	Glu	Phe	Tyr	Met	
			100					105				110			
Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asn	Pro	Leu
		115				120						125			
Arg	Tyr	Ser	Val	Lys	Met	Ser	Arg	Arg	Val	Cys	Ile	Cys	Leu	Ala	Met
	130					135					140				
Cys	Pro	Tyr	Ile	Tyr	Gly	Phe	Ser	Asp	Gly	Leu	Phe	Gln	Ala	Ile	Leu
145					150					155					160
Thr	Phe	Ser	Met	Thr	Phe	Cys	Lys	Ser	Asn	Val	Ile	Asn	His	Phe	Tyr
				165					170					175	
Cys	Ala	Asp	Pro	Pro	Leu	Ile	Lys	Leu	Ser	Cys	Ser	Asp	Thr	Tyr	Lys
			180					185					190		
Lys	Glu	His	Ala	Met	Leu	Ile	Ser	Ala	Ser	Phe	Asn	Leu	Ser	Ser	Ser
		195					200					205			
Leu	Thr	Ile	Ile	Leu	Val	Ser	Tyr	Ala	Phe	Ile	Ile	Ala	Ala	Ile	Leu
	210					215					220				
Arg	Ile	Lys	Ser	Ala	Glu	Gly	Arg	His	Lys	Ala	Phe	Ser	Thr	Cys	Gly
225					230					235					240
Ser	His	Met	Met	Ala	Val	Thr	Leu	Phe	Tyr	Gly	Thr	Leu	Phe	Cys	Met
				245					250					255	
Tyr	Val	Arg	Pro	Pro	Thr	Asp	Lys	Thr	Val	Glu	Glu	Ser	Lys	Ile	Ile

<210> 2445
 <211> 305
 <212> PRT
 <213> Mus musculus

<400> 2445
 Met Glu Glu Gly Asn Gln Thr Val Val Ser Glu Phe Ile Phe Gln Gly
 1 5 10 15
 Leu Cys Ala Ser Lys Glu Leu Gln Leu Phe Leu Leu Leu Pro Phe Ser
 20 25 30
 Ile Leu Tyr Leu Met Ala Val Val Gly Asn Leu Phe Val Val Ile Leu
 35 40 45
 Ile Ile Ile Asp His His Leu His Ser Pro Met Tyr Phe Leu Leu Ala
 50 55 60
 Asn Leu Ser Phe Ile Asp Phe Cys Leu Ser Ser Val Thr Thr Pro Lys
 65 70 75 80
 Leu Ile Thr Asp Leu Leu Lys Asp Asn Lys Thr Ile Ser Phe Gly Gly
 85 90 95
 Cys Met Ser Gln Ile Leu Cys Val Tyr Phe Phe Gly Gly Ser Glu Met
 100 105 110
 Val Leu Leu Val Thr Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Arg
 115 120 125
 Pro Leu His Tyr Ser Ser Ile Met Gly Arg Gln Lys Cys Ile Trp Leu
 130 135 140
 Val Val Ile Ser Trp Thr Ile Gly Phe Ile His Ala Met Ser Gln Leu
 145 150 155 160
 Ile Leu Ile Leu Asp Leu Pro Phe Cys Gly Pro Arg Val Ile Asp Ser
 165 170 175
 Phe Phe Cys Asp Ile Ser Leu Val Met Lys Leu Ala Cys Met Asn Thr
 180 185 190
 Asp Thr Leu Glu Ile Leu Ile Asn Ala Asp Ser Gly Val Leu Ala Thr
 195 200 205
 Thr Cys Phe Ile Leu Leu Leu Ile Ser Tyr Thr Asn Ile Leu Leu Thr
 210 215 220
 Val Gln Leu His Ser Lys Asp Gly Ser Ser Lys Ala Leu Ser Thr Cys
 225 230 235 240
 Thr Ser His Ile Ile Val Val Leu Leu Phe Phe Gly Pro Val Ile Phe
 245 250 255
 Ile Tyr Leu Cys Pro Val Ser Ile Thr Trp Val Asp Asn Phe Leu Ala
 260 265 270
 Val Phe Tyr Ser Val Ile Thr Pro Leu Leu Asn Pro Ala Ile Tyr Thr
 275 280 285
 Leu Arg Asn Lys Asp Ile Lys Asn Ala Ile Lys Lys Leu Ile Asn His
 290 295 300
 Leu
 305

<210> 2446
 <211> 277
 <212> PRT
 <213> Mus musculus

<400> 2446
 Leu Pro Phe Ser Ile Leu Tyr Leu Met Ala Val Val Gly Asn Leu Phe
 1 5 10 15
 Val Val Ile Leu Ile Ile Ile Asp His His Leu His Ser Pro Met Tyr
 20 25 30
 Phe Leu Leu Ala Asn Leu Ser Phe Ile Asp Phe Cys Leu Ser Ser Val

115	120	125
Met Asp Arg Gln Lys Cys Ile Trp Leu Val Val Ile Ser Trp Ile Val		
130	135	140
Gly Phe Val His Ala Ile Ser Gln Leu Leu Leu Ile Leu Asp Leu Pro		
145	150	155
Phe Cys Gly Pro Arg Val Ile Asp Ser Phe Phe Cys Asn Ile Pro Leu		
165	170	175
Val Met Lys Leu Ala Cys Met Asn Thr Asp Thr Leu Gly Ile Leu Ile		
180	185	190
Asn Ala Asp Ser Gly Ile Leu Ala Thr Tyr Ser Phe Thr Leu Leu Leu		
195	200	205
Ile Ser Tyr Thr Tyr Ile Leu Leu Thr Val Gln His Arg Ser Lys Asp		
210	215	220
Gly Ser Leu Lys Ala Leu Ser Thr Cys Thr Ser His Ile Ile Val Val		
225	230	235
Leu Leu Phe Phe Gly Pro Ile Ile Phe Ile Tyr Leu Trp Pro Val Asn		
245	250	255
Ile Thr Trp Val Asp Lys Phe Leu Ala Val Phe Tyr Thr Val Ile Thr		
260	265	270
Pro Leu Leu Asn Pro Ala Ile Tyr Thr Leu Arg Asn Lys Asp Ile Lys		
275	280	285
Asn Ala Ile Lys Asn		
290		

<210> 2448
 <211> 313
 <212> PRT
 <213> Mus musculus

<400> 2448

Leu His Gly Glu Thr Glu Pro Ser Pro Val Val Lys Asp Phe Ile Leu	
1	5
Ile Gly Ile Thr Asn Arg Pro Glu Leu Lys Gly Pro Leu Phe Gly Leu	
20	25
Phe Leu Ile Ile Tyr Leu Ile Ser Leu Met Gly Asn Met Gly Met Ile	
35	40
Ile Leu Thr Ile Val Asp Pro Arg Leu Gln Thr Pro Met Tyr Phe Phe	
50	55
Leu Lys His Leu Ala Val Thr Asp Leu Gly Tyr Ser Thr Ala Val Gly	
65	70
Pro Lys Met Leu Glu Asn Phe Val Val Asn Gln Asn Thr Ile Ser Tyr	
85	90
Tyr Leu Cys Ala Leu Gln Leu Ala Cys Phe Leu Leu Phe Ile Thr Cys	
100	105
Glu Leu Phe Ile Leu Ser Ala Met Ser Tyr Asp Arg Tyr Val Ala Ile	
115	120
Cys Asn Pro Leu Leu Tyr Asn Val Ile Met Ser Lys Lys Lys Cys Trp	
130	135
Leu Leu Ile Val Ile Ala Tyr Leu Tyr Gly Leu Phe Leu Ser Leu Ile	
145	150
Ile Thr Leu Lys Met Phe Arg Leu Ser Phe Cys Ser Tyr Asn Ile Ile	
165	170
Asn His Phe Phe Cys Asp Cys Ile Pro Leu Ile Pro Leu Leu Cys Ser	
180	185
Asn Thr His Glu Ile Gln Leu Ile Leu Val Phe Ala Ile Phe Asp	
195	200
Ser Ile Cys Ser Leu Leu Val Val Leu Val Ser Tyr Leu Leu Ile Leu	
210	215
	220

Ile	Thr	Ile	Leu	Arg	Met	Asn	Ser	Thr	Glu	Gly	Arg	His	Lys	Ala	Phe
225					230					235					240
Ala	Asn	Cys	Gly	Ser	His	Ile	Thr	Val	Val	Thr	Val	Phe	Tyr	Gly	Thr
				245					250					255	
Leu	Ile	Ser	Met	Tyr	Leu	Gln	Pro	Asn	Tyr	Ser	His	Ser	Phe	Asp	Thr
			260					265					270		
Asp	Lys	Leu	Ala	Ser	Ile	Phe	Tyr	Thr	Met	Ile	Ile	Pro	Met	Leu	Asn
		275					280					285			
Pro	Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Asn	Ala	Gly	Gln
	290					295					300				
Arg	Ile	Trp	Lys	Lys	Leu	Cys	Lys	Ile							
305					310										

<210> 2449

<211> 316

<212> PRT

<213> Mus musculus

<400> 2449

Met	Asp	Leu	Lys	Asn	Lys	Thr	Thr	Ser	Ser	Phe	Ile	Leu	Leu	Gly	Leu
1				5					10					15	
Phe	Pro	Ser	Cys	Arg	Tyr	Pro	Asn	Leu	Ile	Ser	Phe	Ile	Leu	Leu	
			20					25				30			
Ile	Tyr	Thr	Leu	Ala	Ser	Ala	Gly	Asn	Ser	Leu	Leu	Ile	Leu	Leu	Ile
		35					40					45			
Trp	Leu	Asp	Pro	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Leu	Leu	Ser	Gln
	50					55				60					
Leu	Ser	Val	Ile	Asp	Leu	Ala	Tyr	Ile	Ser	Cys	Thr	Val	Pro	Lys	Ala
65				70						75					80
Ala	Ile	Asn	Tyr	Phe	Thr	Gly	Arg	Arg	Asn	Ile	Ser	Phe	Phe	Ala	Cys
			85						90					95	
Ala	Thr	Gln	Met	Phe	Ser	Phe	Leu	Thr	Leu	Gly	Leu	Ala	Glu	Cys	Ile
			100					105					110		
Leu	Leu	Thr	Leu	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Val	Cys	Asn	Pro
		115					120					125			
Leu	Arg	Tyr	Thr	Ile	Leu	Met	Ser	Pro	Lys	Val	Cys	Leu	Met	Met	Ala
	130					135					140				
Ala	Ser	Thr	Trp	Ile	Gly	Ala	Val	Thr	Ala	Ala	Leu	Val	His	Thr	Val
145					150					155					160
Tyr	Pro	Met	Asn	Phe	Pro	Ile	Cys	Gly	Ser	Arg	Glu	Ile	Asn	His	Tyr
			165					170						175	
Phe	Cys	Glu	Met	Pro	Ala	Ile	Leu	Arg	Met	Ser	Cys	Val	Asp	Thr	Ser
			180					185					190		
Val	Tyr	Glu	Met	Val	Lys	Phe	Val	Ser	Thr	Ile	Ile	Phe	Leu	Leu	Thr
		195					200					205			
Pro	Phe	Thr	Leu	Ile	Leu	Thr	Ser	Tyr	Thr	Leu	Ile	Phe	Leu	Thr	Val
	210					215					220				
Leu	Arg	Met	Asn	Ser	Pro	Lys	Gly	Arg	Asn	Lys	Ala	Leu	Ala	Thr	Cys
225					230					235					240
Ser	Ser	His	Leu	Thr	Val	Val	Ser	Leu	Tyr	Phe	Gly	Gln	Ala	Ile	Phe
			245						250					255	
Ile	Tyr	Met	Thr	Pro	Thr	Ser	Ser	His	Thr	Pro	Asp	Gln	Asp	Gln	Val
		260						265					270		
Gly	Ala	Val	Leu	Gly	Thr	Ile	Val	Thr	Pro	Met	Leu	Asn	Pro	Leu	Ile
		275					280					285			
Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Ile	Gly	Ala	Leu	Gln	Lys	Cys	Thr
	290					295					300				
Gly	Arg	Cys	Cys	Ser	Arg	Asp	Arg	Val	Gly	Ser	Leu				

305

310

315

<210> 2450

<211> 315

<212> PRT

<213> Mus musculus

<400> 2450

Met	Gly	Ala	Thr	Asn	Asp	Ser	Thr	Phe	Ser	His	Phe	Ile	Leu	Thr	Gly
1				5					10				15		
Phe	Ser	Asp	Arg	Pro	Glu	Leu	Glu	Arg	Val	Leu	Phe	Ala	Ile	Leu	Leu
		20						25					30		
Pro	Ala	Tyr	Leu	Leu	Thr	Leu	Leu	Gly	Asn	Ser	Thr	Ile	Ile	Leu	Val
		35					40					45			
Ser	Arg	Leu	Asp	Pro	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Thr
	50					55					60				
His	Leu	Ser	Phe	Leu	Asp	Leu	Ser	Phe	Thr	Ser	Ser	Ser	Ile	Pro	Gln
65					70					75				80	
Leu	Leu	Tyr	Asn	Leu	Ser	Gly	Pro	Asp	Lys	Thr	Ile	Ser	Tyr	Val	Gly
			85						90					95	
Cys	Ala	Leu	Gln	Leu	Val	Leu	Phe	Leu	Gly	Leu	Gly	Gly	Val	Glu	Cys
			100					105					110		
Leu	Leu	Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg	Phe	Val	Ala	Ile	Cys	Lys
		115					120					125			
Pro	Leu	His	Tyr	Met	Val	Ile	Met	Ser	Pro	Arg	Leu	Cys	Val	Gly	Leu
	130					135					140				
Val	Ser	Val	Ala	Trp	Ser	Cys	Gly	Val	Ala	Asn	Ser	Leu	Ala	Met	Ser
145					150					155				160	
Pro	Ala	Thr	Leu	Ser	Leu	Pro	Arg	Cys	Gly	His	His	Arg	Val	Asp	His
				165					170					175	
Phe	Leu	Cys	Glu	Met	Pro	Ala	Leu	Ile	Arg	Met	Ala	Cys	Val	Asn	Thr
			180					185					190		
Ala	Val	Val	Glu	Gly	Ile	Ala	Phe	Ile	Leu	Ala	Ile	Gly	Ile	Val	Leu
		195					200					205			
Ser	Pro	Leu	Val	Phe	Ile	Leu	Val	Ser	Tyr	Gly	Tyr	Ile	Val	Arg	Ala
	210					215					220				
Val	Leu	Arg	Ile	Ser	Ser	Ala	Ala	Gly	Arg	Gln	Lys	Ala	Phe	Asn	Thr
225					230					235				240	
Cys	Gly	Ser	His	Leu	Thr	Val	Val	Ser	Leu	Phe	Tyr	Gly	Asn	Ile	Ile
				245					250					255	
Tyr	Met	Tyr	Met	Gln	Pro	Gly	Asn	Ser	Ser	Ser	Gln	Asp	Gln	Gly	Lys
			260					265					270		
Phe	Leu	Thr	Leu	Phe	Tyr	Asn	Ile	Val	Thr	Pro	Leu	Leu	Asn	Pro	Leu
		275					280					285			
Ile	Tyr	Thr	Leu	Arg	Asn	Lys	Glu	Val	Lys	Gly	Ala	Leu	Arg	Arg	Leu
	290					295					300				
Leu	Leu	Gly	Ser	Arg	Glu	Thr	Gly	Lys	Val	Arg					
305					310					315					

<210> 2451

<211> 313

<212> PRT

<213> Mus musculus

<400> 2451

Met	Glu	Gly	Ala	Asn	Leu	Ser	Gly	Val	Ser	Glu	Phe	Leu	Leu	Leu	Gly
1				5					10					15	

Leu	Ser	Gln	Asp	Pro	Arg	Gln	Gln	Gln	Leu	Leu	Phe	Ser	Ala	Phe	Leu
			20					25					30		
Ser	Met	Tyr	Leu	Leu	Thr	Gly	Leu	Gly	Asn	Leu	Leu	Ile	Ile	Leu	Ala
		35					40					45			
Ile	Ala	Ala	Asp	Pro	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ala
	50					55					60				
Asn	Leu	Ala	Phe	Val	Asp	Val	Cys	Phe	Thr	Ser	Thr	Thr	Ile	Pro	Lys
65					70					75					80
Met	Leu	Ala	Asn	His	Val	Ser	Gly	His	Lys	Gly	Ile	Ser	Tyr	Ser	Gly
				85					90					95	
Cys	Leu	Thr	Gln	Met	Phe	Phe	Phe	Ile	Trp	Phe	Ala	Gly	Ile	Asp	Ser
			100					105					110		
Phe	Leu	Leu	Thr	Ala	Met	Ala	Tyr	Asp	Arg	Phe	Val	Ala	Ile	Cys	His
		115					120					125			
Pro	Leu	His	Tyr	Thr	Thr	Ser	Ile	Thr	Pro	Arg	Leu	Cys	Gly	Phe	Leu
		130				135					140				
Val	Thr	Ala	Ser	Trp	Ala	Ser	Ala	Phe	Ala	Asn	Ala	Leu	Thr	His	Thr
145					150					155					160
Val	Leu	Leu	Thr	Arg	Leu	Leu	Phe	Cys	Gly	His	Asn	Gln	Val	Pro	His
				165					170					175	
Phe	Phe	Cys	Asp	Leu	Ser	Pro	Leu	Leu	Lys	Leu	Ala	Cys	Leu	Asp	Thr
			180					185					190		
Ser	Leu	Asn	Asp	Ile	Met	Val	Tyr	Thr	Val	Gly	Ala	Leu	Pro	Ile	Ile
		195					200					205			
Thr	Pro	Phe	Val	Gly	Ile	Leu	Thr	Ser	Tyr	Thr	Arg	Ile	Phe	Thr	Ala
		210				215					220				
Val	Leu	Arg	Ile	Pro	Ser	Thr	Gly	Gly	Lys	Trp	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Gly	Ser	His	Leu	Ser	Val	Val	Ser	Leu	Phe	Tyr	Gly	Thr	Leu	Ile
				245					250					255	
Gly	Val	Tyr	Phe	Ser	Pro	Thr	Ser	Ser	His	Thr	Ala	Gln	Lys	Asp	Thr
			260					265					270		
Ala	Ala	Ala	Val	Met	Tyr	Thr	Val	Val	Thr	Pro	Met	Met	Asn	Pro	Phe
		275					280					285			
Ile	Tyr	Thr	Leu	Arg	Asn	Lys	Asp	Met	Lys	Gly	Ala	Leu	Met	Thr	Phe
		290				295					300				
Val	Arg	Arg	Thr	Ala	Val	Leu	Val	Arg							
305					310										

<210> 2452

<211> 326

<212> PRT

<213> Mus musculus

<400> 2452

Met	Phe	Ser	Asp	Asp	Pro	Val	Gln	Gln	Leu	Ser	Met	Ala	Met	Trp	Leu
1				5					10					15	
Asn	Gln	Ser	Ser	Thr	Asp	Asp	Phe	Ile	Leu	Leu	Gly	Ile	Phe	Ser	Tyr
			20					25					30		
Ser	Pro	Arg	Asp	Leu	Leu	Leu	Phe	Ser	Val	Val	Met	Leu	Val	Phe	Thr
		35					40				45				
Ala	Ala	Leu	Phe	Gly	Asn	Ala	Leu	Leu	Ile	Leu	Leu	Ile	Cys	Thr	Asp
		50				55					60				
Pro	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser	Gln	Leu	Ser	Leu
65					70					75					80
Met	Asp	Ile	Met	Leu	Val	Cys	Thr	Asn	Val	Pro	Lys	Met	Ala	Val	Asn
				85					90					95	
Phe	Leu	Ser	Gly	Lys	Lys	Ser	Ile	Ser	Phe	Val	Gly	Cys	Gly	Ile	Gln

Ile	Gly	Leu	Phe	Val	Cys	Leu	Val	Gly	Ser	Glu	Gly	Leu	Leu	Leu	Gly
		115						120				125			
Leu	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Ser	His	Pro	Leu	Arg	Tyr
	130					135					140				
Pro	Val	Leu	Met	Asn	Gln	Lys	Val	Cys	Leu	Gln	Ile	Ile	Gly	Ser	Ser
145					150					155					160
Trp	Ala	Phe	Gly	Ile	Ala	Asp	Gly	Leu	Val	Gln	Met	Val	Val	Val	Met
				165					170						175
Thr	Phe	Pro	Tyr	Cys	Ser	Leu	Arg	Glu	Val	Asp	His	Phe	Phe	Cys	Glu
			180					185					190		
Met	Leu	Ser	Leu	Leu	Lys	Leu	Ala	Cys	Val	Asp	Thr	Ser	Leu	Phe	Glu
	195						200					205			
Lys	Ile	Val	Phe	Phe	Cys	Cys	Ile	Phe	Met	Leu	Leu	Phe	Pro	Phe	Ser
	210					215					220				
Ile	Ile	Val	Ala	Ser	Tyr	Thr	Arg	Ile	Leu	Gly	Thr	Val	Leu	His	Met
225					230					235					240
His	Ser	Ala	Lys	Ser	Gln	Lys	Lys	Ala	Leu	Ala	Thr	Cys	Ser	Ser	His
				245					250					255	
Met	Ala	Ala	Val	Ser	Phe	Phe	Tyr	Gly	Ala	Ala	Met	Phe	Ile	Tyr	Leu
			260					265					270		
Arg	Pro	Arg	Gln	Tyr	Arg	Thr	Pro	Ser	Gln	Asp	Lys	Met	Val	Ser	Ile
		275					280					285			
Phe	Tyr	Thr	Val	Leu	Thr	Pro	Met	Leu	Asn	Pro	Leu	Ile	Tyr	Ser	Leu
	290					295					300				
Arg	Asn	Arg	Asp	Val	Ile	Gly	Ala	Leu	Gln	Lys	Gly	Leu	Asp	Arg	Cys
305					310					315					320
Arg	Val	Gly	Ser	Gln	Pro										
				325											

<210> 2453

<211> 312

<212> PRT

<213> Mus musculus

<400> 2453

Met	Leu	Met	Ala	Met	Glu	Asn	Asp	Ser	Ser	Val	Thr	Glu	Phe	Val	Phe
1				5					10					15	
Met	Gly	Leu	Thr	Glu	Gln	Pro	Glu	Leu	Gln	Leu	Pro	Leu	Phe	Phe	Val
			20					25					30		
Phe	Leu	Leu	Asn	Tyr	Thr	Ala	Thr	Val	Met	Gly	Asn	Leu	Ser	Leu	Val
		35					40					45			
Val	Leu	Ile	Cys	Leu	Asn	Ser	His	Leu	His	Asn	Pro	Met	Tyr	Phe	Phe
	50					55				60					
Leu	Phe	Asn	Leu	Ser	Leu	Val	Asp	Phe	Cys	Tyr	Ser	Phe	Val	Cys	Thr
65					70					75					80
Pro	Lys	Met	Leu	Met	Gly	Phe	Val	Ser	Glu	Lys	Ser	Ile	Ile	Ser	Tyr
				85					90					95	
Thr	Gly	Cys	Met	Thr	Gln	Leu	Phe	Phe	Phe	Cys	Phe	Phe	Val	Asn	Ser
			100					105					110		
Glu	Cys	Tyr	Val	Leu	Thr	Ala	Met	Val	Tyr	Asp	Arg	Tyr	Val	Ala	Ile
		115					120					125			
Cys	Lys	Pro	Leu	Val	Tyr	Ala	Ile	Leu	Met	Ser	Pro	Arg	Met	Cys	Ser
	130					135					140				
Leu	Leu	Met	Ile	Gly	Ser	Tyr	Leu	Met	Gly	Phe	Ala	Ser	Ala	Met	Ala
145					150					155					160
His	Thr	Gly	Cys	Met	Ile	Arg	Leu	Lys	Phe	Cys	Asp	Leu	Asn	Ile	Ile
				165					170					175	

Asn	His	Tyr	Met	Cys	Glu	Ile	Phe	Pro	Leu	Leu	Gln	Leu	Ser	Cys	Ser
			180					185					190		
Ser	Thr	Tyr	Ala	Asn	Glu	Leu	Val	Ser	Ser	Leu	Ile	Ala	Cys	Ile	Val
		195					200					205			
Val	Ile	Val	Ser	Gly	Leu	Val	Ile	Leu	Met	Ser	Tyr	Ala	Ser	Ile	Leu
	210					215					220				
Leu	Asn	Val	Val	Gln	Met	Ser	Ser	Ala	Thr	Gly	Trp	Ser	Lys	Ala	Met
225					230					235					240
Gly	Thr	Cys	Gly	Ser	His	Ile	Ile	Thr	Val	Ser	Leu	Phe	Tyr	Gly	Ser
			245						250					255	
Gly	Leu	Leu	Thr	Tyr	Val	Lys	Pro	Ala	Ser	Ala	Glu	Ser	Val	Asp	Gln
			260					265						270	
Gly	Lys	Phe	Phe	Ser	Val	Phe	Tyr	Thr	Leu	Met	Val	Pro	Met	Leu	Asn
		275					280					285			
Pro	Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Leu	Ala	Ala	Lys
	290					295					300				
Arg	Thr	Met	Lys	Arg	Ile	Thr	Ile								
305					310										

<210> 2454

<211> 309

<212> PRT

<213> Mus musculus

<400> 2454

Met	Glu	Leu	Lys	Asn	Asp	Thr	Gln	Ile	Ser	Lys	Phe	Ile	Leu	Leu	Gly
1				5					10					15	
Ile	Ser	Glu	Asp	Pro	Leu	Trp	Gln	Pro	Phe	Leu	Phe	Gly	Leu	Phe	Leu
			20					25					30		
Phe	Met	Tyr	Leu	Val	Thr	Leu	Leu	Gly	Asn	Leu	Leu	Ile	Ile	Ile	Ala
		35					40					45			
Thr	Ile	Thr	Asp	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser
	50					55					60				
Asn	Leu	Ser	Phe	Ala	Asp	Ile	Cys	Phe	Thr	Ser	Ala	Ser	Ile	Pro	Lys
65					70					75				80	
Met	Leu	Val	Asn	Ile	Gln	Thr	Lys	Asn	Lys	Val	Ile	Thr	Tyr	Glu	Gly
			85					90						95	
Cys	Ile	Ser	Gln	Val	Phe	Phe	Phe	Ile	Leu	Phe	Gly	Val	Leu	Asp	Asn
			100					105					110		
Phe	Leu	Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	His
		115					120					125			
Pro	Leu	His	Tyr	Met	Val	Ile	Met	Asn	Cys	Arg	Leu	Cys	Gly	Phe	Leu
	130					135					140				
Val	Leu	Gly	Ser	Trp	Val	Thr	Thr	Ala	Leu	Asn	Ser	Leu	Leu	Gln	Ser
145					150					155				160	
Ser	Met	Ala	Leu	Arg	Leu	Ser	Phe	Cys	Thr	Asp	Leu	Lys	Ile	Pro	His
				165					170					175	
Phe	Val	Cys	Glu	Leu	Asn	Gln	Leu	Val	Leu	Leu	Ala	Cys	Asn	Asp	Thr
			180					185					190		
Phe	Pro	Asn	Asp	Met	Val	Met	Tyr	Phe	Ala	Ala	Ile	Leu	Leu	Gly	Gly
		195					200					205			
Gly	Pro	Leu	Ala	Gly	Ile	Leu	Tyr	Ser	Tyr	Ser	Lys	Ile	Val	Ser	Ser
	210					215					220				
Ile	Arg	Ala	Ile	Ser	Ser	Ser	Gln	Gly	Lys	Tyr	Lys	Ala	Phe	Ser	Thr
225					230					235				240	
Cys	Ala	Ser	His	Leu	Ser	Val	Val	Ser	Leu	Phe	Tyr	Ser	Thr	Leu	Leu
				245					250					255	
Gly	Val	Tyr	Leu	Ser	Ser	Ser	Phe	Thr	Gln	Asn	Ser	His	Ser	Thr	Ala

			260					265				270					
Arg	Ala	Ser	Val	Met	Tyr	Ser	Val	Val	Thr	Pro	Met	Leu	Asn	Pro	Phe		
		275					280					285					
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Leu	Met	Gly	Ala	Leu	Arg	Arg	Leu		
	290					295					300						
Leu	Arg	Arg	Lys	Ser													
305																	

<210> 2455

<211> 315

<212> PRT

<213> Mus musculus

<400> 2455

Met	Trp	Val	Val	Leu	Gly	Gln	Asn	Gln	Ser	Trp	Val	Ser	Glu	Phe	Ile		
1				5					10					15			
Leu	Ile	Gly	Phe	Ser	Ser	Asp	Pro	Thr	Thr	Asn	Ser	Ile	Leu	Phe	Ile		
			20					25					30				
Val	Phe	Leu	Leu	Ile	Tyr	Leu	Ser	Ser	Val	Leu	Gly	Asn	Gly	Leu	Ile		
		35					40					45					
Ile	Met	Leu	Val	Cys	Leu	Asp	Thr	Gln	Leu	His	Thr	Pro	Met	Tyr	Phe		
	50					55					60						
Phe	Leu	Ser	Thr	Leu	Ser	Leu	Leu	Asp	Met	Ser	Tyr	Val	Thr	Thr	Thr		
65					70					75					80		
Met	Pro	Gln	Met	Leu	Val	His	Leu	Leu	Ala	His	Ser	Gln	Thr	Ile	Ser		
				85					90					95			
Phe	Val	Gly	Cys	Trp	Leu	Gln	Met	Phe	Val	Phe	Ser	Ala	Leu	Gly	Ile		
			100					105					110				
Thr	Glu	Cys	Thr	Phe	Phe	Val	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala		
		115					120					125					
Ile	Cys	Tyr	Pro	Leu	Arg	Tyr	Thr	Val	Ile	Leu	Asn	Trp	Gly	Leu	Cys		
	130					135					140						
Ile	His	Leu	Thr	Ala	Gly	Ser	Trp	Val	Cys	Gly	Leu	Phe	Ser	Ser	Leu		
145					150					155					160		
Leu	His	Thr	Phe	Phe	Thr	Met	Ser	Leu	Pro	Tyr	Cys	Gly	Pro	Asn	Arg		
				165					170					175			
Val	Asn	His	Tyr	Phe	Cys	Glu	Gly	Pro	Ser	Val	Arg	Ser	Leu	Ala	Cys		
		180						185					190				
Met	Asp	Thr	His	Val	Ile	Glu	Met	Val	Asp	Phe	Val	Leu	Ser	Val	Phe		
	195					200						205					
Val	Ile	Val	Ile	Pro	Ile	Ser	Leu	Ile	Val	Ala	Ser	Tyr	Ile	Gly	Ile		
	210					215					220						
Ala	Lys	Ala	Ile	Leu	Lys	Ile	Lys	Ser	Thr	Glu	Gly	Arg	Cys	Lys	Ala		
225					230					235					240		
Phe	Ser	Thr	Cys	Ala	Ser	His	Leu	Thr	Val	Val	Thr	Phe	Phe	Tyr	Ala		
			245						250					255			
Pro	Ala	Thr	Tyr	Ile	Tyr	Met	Arg	Pro	Asn	Ser	Ser	Tyr	Ser	Pro	Glu		
			260					265					270				
Arg	Asp	Lys	Gln	Ile	Ser	Leu	Phe	Tyr	Asn	Thr	Phe	Thr	Ala	Leu	Leu		
	275						280					285					
Asn	Pro	Val	Val	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Ile	Lys	Arg	Ala	Phe		
	290					295					300						
Phe	Lys	Val	Met	Gly	His	Gly	Arg	Met	Asp	Tyr							
305					310					315							

<210> 2456

<211> 312

<212> PRT

<213> Mus musculus

<400> 2456

Glu	Thr	Arg	Asn	Gln	Thr	Ile	Ile	Ser	Asp	Phe	Leu	Leu	Thr	Gly	Phe
1				5					10					15	
Ser	Asp	His	Pro	Glu	Gln	Gln	Pro	Leu	Phe	Thr	Leu	Phe	Leu	Gly	
			20					25				30			
Met	Tyr	Leu	Val	Thr	Leu	Leu	Gly	Asn	Leu	Phe	Ile	Ile	Leu	Ala	Ile
		35					40				45				
Val	Ser	Asp	Gln	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ala	Asn
	50					55					60				
Leu	Ser	Phe	Ile	Asp	Asn	Cys	Leu	Thr	Cys	Thr	Ile	Val	Pro	Lys	Val
65					70					75					80
Leu	Thr	Asn	Ile	Gln	Thr	Gln	His	Gln	Thr	Ile	Ser	His	Thr	Gly	Cys
			85					90						95	
Leu	Leu	Gln	Met	Tyr	Phe	Phe	Met	Thr	Met	Ala	Met	Leu	Asp	Asp	Phe
			100					105					110		
Leu	Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Leu	Pro
		115					120					125			
Leu	His	Tyr	Thr	Thr	Ile	Met	Cys	Pro	Gln	Arg	Cys	Leu	Leu	Leu	Val
	130					135					140				
Ala	Thr	Ser	Trp	Leu	Cys	Ser	Asn	Leu	Leu	Ala	Leu	Ser	Leu	Ile	Leu
145					150					155					160
Gln	Met	Ala	Gln	Val	Ser	Phe	Cys	Ala	Ser	His	Ser	Ile	Pro	His	Phe
			165					170						175	
Phe	Cys	Asp	Leu	Leu	Pro	Leu	Leu	Lys	Leu	Ala	Cys	Ser	Asp	Thr	His
		180						185					190		
Thr	Phe	Gln	Leu	Ile	Met	Phe	Ala	Glu	Ala	Ala	Leu	Ser	Gly	Val	Val
		195					200					205			
Pro	Leu	Thr	Cys	Val	Leu	Val	Ser	Tyr	Ala	His	Ile	Met	Asn	Thr	Ile
	210					215					220				
Leu	Lys	Ile	Pro	Ser	Ser	Gly	Gly	Lys	His	Lys	Val	Phe	Ser	Thr	Cys
225					230					235					240
Gly	Ser	His	Leu	Thr	Val	Val	Thr	Leu	Phe	Tyr	Gly	Thr	Val	Phe	Leu
			245						250					255	
Val	Tyr	Phe	Gln	Pro	Ser	Ser	Ser	Tyr	Ser	Glu	Asn	Thr	Gly	Ile	Val
		260						265					270		
Ala	Ser	Val	Val	Tyr	Thr	Met	Val	Thr	Pro	Met	Ile	Asn	Pro	Phe	Ile
		275					280					285			
Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Met	Lys	Gly	Ala	Leu	Trp	Lys	Leu	Phe
	290					295					300				
Gly	Leu	Gly	Lys	His	Cys	Asn	Leu								
305					310										

<210> 2457

<211> 310

<212> PRT

<213> Mus musculus

<400> 2457

Met	Asn	Asn	Ser	Thr	Leu	Val	Thr	Glu	Phe	Leu	Leu	Glu	Val	Phe	Ala
1				5					10					15	
Glu	Ser	Cys	Glu	Leu	Arg	Ile	Leu	Leu	Ser	Val	Leu	Phe	Leu	Leu	Val
			20					25				30			
Tyr	Leu	Gly	Ser	Leu	Phe	Gly	Asn	Leu	Ile	Ile	Ile	Ile	Val	Thr	Thr
		35					40					45			
Val	Asp	Gln	Thr	Leu	Asn	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Arg	Asn	Leu

50		55		60
Ser Ile Val Asp Met Cys Tyr Val Ser Val Thr Val Pro Asn Ala Cys				
65		70		75
Phe Asn Ser Leu Thr Gly Gln Arg Asn Ile Ser Val Thr Gly Cys Ala				80
	85		90	
Ala Gln Ile Phe Phe Val Phe Phe Cys Ala Cys Val Glu Met Phe Phe				95
	100		105	
Leu Thr Ile Met Ala Gln Asp Arg Tyr Val Ala Ile Cys Lys Pro Leu				110
	115		120	
Leu Tyr Pro Val Ile Met Asn His Gln Phe Cys Val Gln Met Thr Leu				125
	130		135	
Ala Ser Leu His Ser Ser Leu Ile Ile Ala Ser Val His Thr Phe Lys				140
145		150		155
Thr Phe Gln Leu Ser Phe Cys His Ser Asn Val Val Pro Gln Phe Phe				160
	165		170	
Cys Asp Ile Pro Ser Leu Leu Lys Leu Ser Cys Ser Asp Thr Phe Asn				175
	180		185	
Asn Lys Leu Leu Met Leu Ile Ser Ala Ile Ile Ile Gly Cys Ser Cys				190
	195		200	
Phe Thr Phe Ile Ala Val Ser Tyr Phe Arg Ile Leu Ser Thr Val Leu				205
	210		215	
Lys Val Pro Val Lys Gly Glu Arg Gly Lys Ala Phe Ser Thr Cys Val				220
225		230		235
Pro His Ile Val Val Val Ser Val Phe Leu Ser Ser Ser Thr Tyr Val				240
	245		250	
Tyr Leu Arg Pro Pro Val Pro Thr Leu Glu Val Val Lys Glu Met Ala				255
	260		265	
Leu Ser Val Ser Tyr Thr Ile Val Pro Pro Phe Leu Asn Pro Ile Ile				270
	275		280	
Tyr Ser Leu Arg Asn Arg Gln Ile Lys Glu Ala Val Lys Lys Val Ile				285
	290		295	
Leu Arg Ile Ser Leu Val			300	
305		310		

<210> 2458
 <211> 313
 <212> PRT
 <213> Mus musculus

<400> 2458

Phe Phe Arg Asn Thr Glu Tyr Lys Asn Gln Thr Phe Ala Ser Glu Phe				
1		5		10
Ile Leu Leu Gly Leu Thr Asp Asp Pro Glu Leu Gln Leu Ile Leu Phe				15
	20		25	
Gly Ile Phe Leu Phe Met Tyr Leu Val Thr Val Leu Gly Asn Leu Ile				30
	35		40	
Ile Ile Cys Ala Val Ser Leu His Pro Lys Leu His Thr Pro Met Tyr				45
	50		55	
Phe Phe Leu Ser Asn Leu Ser Phe Thr Asp Ile Cys Phe Ile Thr Ser				60
65		70		75
Thr Val Pro Lys Met Leu Val Asn Ile Gln Lys Gln Asn Asn Ala Ile				80
	85		90	
Ser Tyr Pro Asp Cys Leu Thr Gln Met Tyr Phe Val Ile Phe Leu Gly				95
	100		105	
Gly Met Glu Asn Phe Leu Leu Ala Met Ala Tyr Asp Arg Tyr Val				110
	115		120	
Ala Ile Cys His Pro Leu Arg Tyr Thr Val Ile Met Asn Pro Ser Ile				125
	130		135	
			140	

Cys	Ile	Leu	Leu	Thr	Leu	Leu	Ser	Val	Leu	Ser	Ser	Thr	Ile	Asp	Ala
145					150					155					160
Leu	Leu	His	Ser	Leu	Leu	Val	Leu	Arg	Leu	Ser	Phe	Cys	Thr	Tyr	Leu
			165						170					175	
Lys	Ile	Pro	His	Phe	Phe	Cys	Glu	Leu	Ala	His	Ile	Ile	Lys	Leu	Ser
			180					185					190		
Cys	Ser	Asp	Thr	Leu	Ile	Asn	Asn	Ile	Val	Val	Tyr	Leu	Ala	Thr	Phe
		195					200					205			
Ile	Phe	Gly	Gly	Leu	Pro	Phe	Trp	Gly	Ile	Ile	Leu	Ser	Tyr	Val	Gln
	210					215					220				
Ile	Val	Tyr	Ser	Val	Leu	Lys	Lys	Pro	Ser	Val	Arg	Gly	Ser	Tyr	Lys
225					230					235					240
Ala	Leu	Ser	Thr	Cys	Gly	Ser	His	Leu	Ser	Val	Val	Ser	Leu	Phe	Tyr
				245					250					255	
Gly	Ser	Val	Ile	Gly	Val	Tyr	Ile	Ser	Phe	Ala	Val	Thr	Asp	Ser	Ser
			260					265					270		
Arg	Lys	Ala	Ala	Val	Ala	Ser	Val	Leu	Tyr	Thr	Val	Val	Pro	Gln	Met
		275					280					285			
Leu	Asn	Pro	Phe	Val	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Met	Lys	Glu	Ala
	290					295					300				
Val	Arg	Lys	Leu	Cys	Gly	Gly	Ile	Leu							
305					310										

<210> 2459

<211> 309

<212> PRT

<213> Mus musculus

<400> 2459

Met	Ala	Asp	Ile	His	Asn	Val	Thr	Glu	Phe	Phe	Phe	Leu	Gly	Leu	Ser
1				5					10					15	
Ser	Asn	Gln	Glu	Val	Gln	Arg	Val	Cys	Phe	Val	Ile	Phe	Leu	Phe	Leu
		20						25				30			
Tyr	Met	Ala	Ile	Val	Leu	Gly	Asn	Leu	Leu	Met	Val	Val	Ile	Val	Ala
		35					40					45			
Val	Ser	Arg	Asn	Leu	Gly	Ser	Pro	Met	Tyr	Phe	Phe	Leu	Ser	Ser	Leu
	50					55				60					
Ser	Phe	Val	Glu	Ile	Cys	Tyr	Ser	Ser	Thr	Thr	Ala	Pro	Lys	Leu	Ile
65					70					75					80
Val	Asp	Leu	Leu	Ala	Glu	Lys	Lys	Ser	Ile	Ser	Val	Trp	Gly	Cys	Met
				85					90					95	
Ala	Gln	Leu	Phe	Phe	Met	His	Phe	Phe	Gly	Gly	Ile	Glu	Met	Phe	Leu
			100					105					110		
Leu	Thr	Met	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu
		115					120					125			
His	Tyr	Thr	Ser	Ile	Met	Asn	Arg	Gln	Val	Cys	Thr	Val	Leu	Val	Gly
		130				135					140				
Met	Ala	Trp	Met	Gly	Gly	Phe	Val	His	Ser	Leu	Ala	Gln	Val	Leu	Leu
145				150					155						160
Ile	Phe	Arg	Leu	Pro	Phe	Cys	Gly	Pro	Asn	Ile	Ile	Asp	His	Tyr	Phe
				165					170					175	
Cys	Asp	Val	Leu	Pro	Val	Leu	Lys	Leu	Val	Cys	Ser	Asp	Thr	Phe	Leu
			180					185					190		
Ile	Gly	Leu	Leu	Ile	Val	Val	Asn	Gly	Gly	Thr	Leu	Ser	Val	Ile	Ser
		195					200					205			
Phe	Val	Val	Leu	Leu	Ser	Ser	Tyr	Ala	Val	Ile	Leu	Phe	His	Leu	Arg
	210					215					220				
Thr	Gln	Ser	Ala	Glu	Gly	Arg	Arg	Lys	Ala	Leu	Ser	Thr	Cys	Gly	Ser

<210> 2461
 <211> 312
 <212> PRT
 <213> Mus musculus

<400> 2461

Val	Arg	Arg	Glu	Asn	Gln	Ser	Thr	Val	Phe	Glu	Phe	Leu	Leu	Leu	Gly
1				5					10					15	
Leu	Pro	Ile	Arg	Pro	Glu	His	Gln	Asn	Val	Phe	Phe	Thr	Met	Phe	Leu
			20					25					30		
Ala	Met	Tyr	Leu	Thr	Thr	Val	Leu	Gly	Asn	Leu	Leu	Ile	Ile	Leu	Leu
		35					40					45			
Ile	Arg	Leu	Asp	Pro	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser
	50					55					60				
His	Leu	Ala	Phe	Ser	Asp	Ile	Ser	Leu	Ser	Ser	Ile	Thr	Val	Pro	Lys
65					70					75					80
Met	Leu	Met	Asn	Ile	Gln	Ala	Gln	His	His	Ser	Ile	Ser	Tyr	Lys	Gly
			85						90					95	
Cys	Ile	Ser	Gln	Met	Tyr	Phe	Phe	Ile	Leu	Phe	Val	Cys	Leu	Asp	Asn
			100					105					110		
Phe	Leu	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	His
		115					120					125			
Pro	Leu	His	Tyr	Ile	Thr	Val	Met	Arg	Glu	Glu	Leu	Cys	Val	Cys	Leu
	130					135					140				
Val	Ala	Gly	Ser	Trp	Phe	Phe	Ser	Cys	Val	His	Ala	Leu	Leu	His	Thr
145					150					155					160
Leu	Leu	Leu	Ile	Gln	Leu	Ser	Phe	Cys	Ala	Ser	Asn	Thr	Val	Pro	Asn
				165					170					175	
Phe	Phe	Cys	Asp	Leu	Thr	Ala	Leu	Leu	Lys	Leu	Ser	Cys	Ser	Asp	Ile
			180				185						190		
Ser	Leu	Asn	Lys	Leu	Val	Ile	Phe	Thr	Glu	Gly	Gly	Leu	Leu	Phe	Ile
		195					200					205			
Leu	Pro	Leu	Ser	Ser	Ile	Met	Gly	Ser	Tyr	Ile	Leu	Ile	Gly	Arg	Thr
	210					215					220				
Ala	Leu	Lys	Ala	Pro	Ser	Thr	Lys	Arg	Phe	Ile	Lys	Thr	Phe	Ser	Thr
225					230					235					240
Cys	Gly	Ser	His	Leu	Leu	Val	Val	Ser	Leu	Tyr	Tyr	Gly	Thr	Leu	Ala
			245						250					255	
Gly	Glu	Tyr	Phe	Ser	Ser	Phe	Gln	Asn	Ser	Ser	Asp	Lys	Asp	Ile	
			260				265					270			
Val	Ala	Ser	Val	Ile	Tyr	Thr	Val	Val	Thr	Pro	Leu	Leu	Asn	Pro	Phe
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Ser	Asp	Ile	Lys	Gln	Ala	Leu	Glu	Ile	Val
	290				295						300				
Val	Thr	Lys	Ile	Asn	Cys	Phe	Lys								
305					310										

<210> 2462
 <211> 317
 <212> PRT
 <213> Mus musculus

<400> 2462

Met	Ser	Gly	Trp	Ser	Asn	Gly	Thr	Tyr	Asn	Glu	Ser	Tyr	Thr	Ser	Phe
1				5					10					15	
Leu	Leu	Met	Gly	Phe	Pro	Gly	Met	Gln	Glu	Ala	Arg	Ala	Leu	Leu	Val
			20					25					30		
Leu	Pro	Phe	Leu	Ser	Leu	Tyr	Leu	Val	Ile	Leu	Phe	Thr	Asn	Ala	Leu

Leu	His	Tyr	Pro	Ser	Ile	Met	Asn	Arg	Gln	Val	Cys	Ile	Gln	Val	Ala
130						135					140				
Ile	Ser	Ile	Trp	Ala	Ile	Pro	Phe	Val	His	Ala	Leu	Val	His	Ser	Ile
145					150					155					160
Leu	Thr	Ser	Gln	Leu	Asn	Phe	Cys	Gly	Ser	Asn	Gln	Ile	His	His	Phe
				165					170					175	
Phe	Cys	Asp	Val	Lys	Pro	Leu	Leu	Glu	Leu	Ala	Cys	Gly	Asn	Thr	Glu
			180					185					190		
Leu	Asn	Arg	Trp	Leu	Leu	Asn	Thr	Phe	Thr	Gly	Thr	Phe	Ala	Ile	Gly
		195					200					205			
Leu	Phe	Phe	Leu	Thr	Phe	Leu	Ser	Tyr	Phe	Tyr	Ile	Ile	Thr	Tyr	Leu
210					215						220				
Phe	Leu	Lys	Thr	Arg	Ser	Cys	Ser	Met	Leu	His	Lys	Ala	Leu	Ser	Thr
225					230					235					240
Cys	Ala	Ser	His	Phe	Met	Val	Val	Met	Ile	Phe	Tyr	Ala	Pro	Val	Leu
				245					250					255	
Phe	Ile	Tyr	Ile	Asn	Pro	Asp	Ser	Gly	Ser	Ser	Leu	Glu	Lys	Asp	Arg
			260					265					270		
Ile	Ile	Ala	Val	Met	Tyr	Thr	Val	Val	Thr	Pro	Ala	Leu	Asn	Pro	Leu
		275					280					285			
Ile	Tyr	Thr	Leu	Arg	Asn	Lys	Glu	Val	Arg	Gly	Ala	Leu	Asn	Arg	Lys
290						295					300				
Leu	Arg	Ile	Leu	Leu											
305															

<210> 2464
 <211> 312
 <212> PRT
 <213> Mus musculus

<400> 2464

Met	Ile	Leu	Val	Asn	Lys	Ser	His	Pro	Glu	Glu	Phe	Ile	Leu	Leu	Gly
1				5					10					15	
Phe	Ala	Asp	Arg	Pro	Trp	Leu	Glu	Leu	Pro	Leu	Phe	Ile	Ile	Leu	Leu
			20					25					30		
Val	Thr	Tyr	Pro	Thr	Ala	Met	Ile	Gly	Asn	Ile	Ala	Ile	Ile	Leu	Met
		35					40					45			
Ser	Ile	Leu	Asp	Pro	Cys	Leu	His	Ser	Pro	Met	Tyr	Phe	Phe	Leu	Thr
		50				55				60					
Asn	Leu	Ser	Phe	Leu	Asp	Met	Cys	Tyr	Thr	Thr	Ser	Ile	Val	Pro	Gln
65					70					75					80
Met	Leu	Ile	Asn	Leu	Trp	Gly	Ser	Thr	Lys	Thr	Ile	Ser	Tyr	Leu	Arg
				85					90					95	
Cys	Val	Val	Gln	Leu	Tyr	Phe	Phe	His	Thr	Met	Gly	Gly	Thr	Glu	Cys
			100					105					110		
Val	Leu	Leu	Ala	Leu	Met	Ser	Phe	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys
		115					120					125			
Pro	Leu	His	Tyr	Thr	Leu	Ile	Met	Asn	Arg	Arg	Asn	Cys	Leu	Leu	Leu
		130				135					140				
Val	Ser	Thr	Val	Trp	Leu	Thr	Gly	Ile	Ser	Tyr	Ala	Val	Ser	Glu	Ala
145					150					155					160
Thr	Val	Thr	Leu	Gln	Leu	Pro	Leu	Cys	Gly	His	Asn	Lys	Met	Asp	His
			165						170					175	
Leu	Val	Cys	Glu	Ile	Pro	Ile	Leu	Ile	Lys	Thr	Ala	Cys	Gly	Glu	Lys
			180					185					190		
Glu	Thr	Asn	Glu	Leu	Ala	Leu	Ser	Val	Ile	Cys	Ile	Phe	Leu	Leu	Ala
		195					200					205			
Val	Pro	Leu	Cys	Leu	Ile	Leu	Ala	Ser	Tyr	Ala	Ser	Ile	Gly	His	Ala

210		215		220
Val Phe Lys Ile Lys Ser	Ile Glu Gly Arg Lys	Lys Lys Ala Phe Gly Thr		
225	230	235		240
Cys Ser Ser His Leu Ile	Val Val Leu Leu Phe Tyr Gly Pro Gly Ile			
	245	250		255
Ser Met Tyr Leu Gln Pro Pro	Ser Ser Ile Thr Lys Asp Gln Pro Lys			
	260	265		270
Phe Met Ala Leu Phe Tyr Gly	Val Val Thr Pro Thr Leu Asn Pro Phe			
	275	280		285
Ile Tyr Thr Leu Arg Asn Lys Asp	Val Lys Gly Ala Leu Gly Asn Leu			
	290	295		300
Phe Arg Asn Ile Phe Ile Pro Lys				
305	310			

<210> 2465

<211> 314

<212> PRT

<213> Mus musculus

<400> 2465

Met Glu Asp Met Pro Ala Gly Asn His Cys Thr Val Thr Val Phe Phe				
1	5	10	15	
Leu Ala Gly Leu Ser Glu Gln Ser Glu Leu Gln Leu Pro Leu Phe Leu				
	20	25	30	
Phe Phe Thr Gly Ile Tyr Leu Ile Thr Val Ser Gly Asn Leu Gly Met				
	35	40	45	
Ile Ile Leu Ile Gly Leu Ser Ser Asn Leu His Thr Pro Met Tyr Tyr				
	50	55	60	
Phe Leu Ser Ser Leu Ser Phe Ile Asp Phe Gly Gln Ser Thr Val Val				
65	70	75	80	
Thr Pro Lys Met Leu Val Ser Phe Leu Thr Glu Lys Asn Leu Ile Thr				
	85	90	95	
Tyr Pro Glu Cys Leu Ala Gln Leu Tyr Phe Ala Ile Ile Phe Gly Thr				
	100	105	110	
Ala Glu Ser Tyr Thr Leu Ala Ala Met Ala Tyr Asp Arg Tyr Val Ala				
	115	120	125	
Ile Cys Asn Pro Leu Val Tyr Asn Ile Ala Met Ser Ser Gln Ile Tyr				
	130	135	140	
Cys Ser Leu Ile Ser Gly Val Tyr Ile Phe Ala Val Phe Cys Ala Ser				
145	150	155	160	
Val Asn Met Gly Phe Met Phe Arg Ile Gln Phe Cys Lys Ser Asp Val				
	165	170	175	
Ile Asn His Tyr Phe Cys Asp Phe Leu Pro Leu Leu Lys Leu Ala Cys				
	180	185	190	
Ser Asn Thr Tyr Val Ser Glu Met Leu Ile Leu Phe Phe Gly Thr Leu				
	195	200	205	
Asn Ile Phe Val Pro Met Leu Thr Ile Ile Thr Ser Tyr Ile Ser Ile				
	210	215	220	
Ile Ser Ser Ile Leu Arg Ile Ser Ser Ser Glu Gly Arg Ser Lys Ala				
225	230	235	240	
Phe Ser Thr Cys Ser Ser His Ile Ser Ala Val Ala Val Phe Tyr Gly				
	245	250	255	
Ser Thr Ala Phe Val Tyr Leu Gln Pro Ser Arg Val Ser Ser Ile Asp				
	260	265	270	
Gln Gly Lys Val Ser Ser Val Phe Tyr Thr Thr Val Val Pro Met Leu				
	275	280	285	
Asn Pro Leu Ile Tyr Ser Leu Arg Asn Lys Asp Val Ser Val Ala Met				
	290	295	300	

Lys Lys Ile Leu Glu Arg Lys Arg Phe Met
 305 310

<210> 2466
 <211> 312
 <212> PRT
 <213> Mus musculus

<400> 2466
 Met Glu Asp Met Ala Ala Gly Asn Gln Cys Thr Val Ala Glu Phe Phe
 1 5 10 15
 Leu Ala Gly Leu Ser Glu Lys Pro Glu Leu Gln Leu Pro Leu Phe Leu
 20 25 30
 Leu Phe Thr Gly Ile Tyr Thr Val Ala Gly Asn Leu Gly Met Ile Thr
 35 40 45
 Leu Ile Gly Leu Ser Ser His Leu His Thr Pro Met Tyr Tyr Phe Leu
 50 55 60
 Ser Ser Leu Ser Phe Ile Asp Phe Cys Gln Ser Thr Val Ile Thr Pro
 65 70 75 80
 Lys Met Leu Val Ser Phe Leu Thr Glu Lys Asn Ile Ile Phe Tyr Ser
 85 90 95
 Gly Cys Met Ala Gln Leu Tyr Phe Phe Ile Ile Phe Gly Val Ala Glu
 100 105 110
 Cys Tyr Thr Leu Ala Ala Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys
 115 120 125
 Asn Pro Leu Leu Tyr Ser Val Ser Met Ser Tyr Gln Ile Tyr Ser Ser
 130 135 140
 Leu Ile Ser Gly Val Tyr Ile Phe Ala Val Val Cys Ser Ser Val Ile
 145 150 155 160
 Thr Gly Phe Met Leu Arg Ile Gln Phe Cys Lys Leu Asp Val Ile Asn
 165 170 175
 His Tyr Phe Cys Asp Leu Leu Pro Leu Leu Lys Leu Ala Arg Ser Asn
 180 185 190
 Thr Tyr Ile Asn Glu Met Leu Thr Leu Phe Val Ser Met Phe Asn Ile
 195 200 205
 Cys Val Pro Val Met Thr Ile Ile Thr Ser Tyr Ile Phe Ile Ile Ala
 210 215 220
 Thr Ile Leu Asn Ile His Ser Arg Glu Gly Lys Phe Lys Ala Phe Ser
 225 230 235 240
 Thr Cys Ser Ser His Ile Ser Ala Val Ala Ile Phe Tyr Gly Ser Gly
 245 250 255
 Ala Phe Met Tyr Leu Gln Pro Ser Ser Val Ser Ser Met Asp Gln Gly
 260 265 270
 Lys Val Ser Ser Val Phe Tyr Thr Thr Val Val Pro Met Leu Asn Pro
 275 280 285
 Leu Ile Tyr Ser Leu Arg Asn Lys Asp Val Ser Val Ala Leu Lys Lys
 290 295 300
 Ile Leu Glu Arg Lys Lys Val Met
 305 310

<210> 2467
 <211> 312
 <212> PRT
 <213> Mus musculus

<400> 2467
 Met Glu Ile Lys Asn Cys Ser Val Val Thr Glu Phe Ile Leu Leu Gly

1				5					10				15				
Ile	Pro	His	Thr	Glu	Gly	Phe	Glu	Thr	Leu	Leu	Phe	Val	Leu	Phe	Leu		
			20					25					30				
Pro	Phe	Tyr	Ala	Cys	Thr	Leu	Val	Gly	Asn	Val	Ser	Ile	Leu	Val	Ala		
		35					40					45					
Val	Ile	Ser	Ser	Thr	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Gly		
	50					55					60						
Asn	Leu	Ser	Val	Phe	Asp	Met	Gly	Phe	Ser	Ser	Val	Thr	Cys	Pro	Lys		
65					70				75						80		
Met	Leu	Phe	Tyr	Leu	Met	Gly	Leu	Ser	Arg	Leu	Ile	Ser	Tyr	Gln	Asp		
			85						90					95			
Cys	Val	Ser	Gln	Leu	Phe	Phe	Phe	His	Phe	Leu	Gly	Ser	Ile	Glu	Cys		
			100					105					110				
Phe	Leu	Tyr	Thr	Val	Met	Ala	Tyr	Asp	Arg	Phe	Ala	Ala	Ile	Cys	His		
		115					120					125					
Pro	Leu	Arg	Tyr	Ser	Val	Ile	Met	Asn	Ser	Lys	Ile	Cys	Val	Ala	Leu		
	130					135					140						
Ala	Val	Gly	Thr	Trp	Leu	Leu	Gly	Cys	Phe	His	Ser	Ser	Val	Leu	Thr		
145					150				155						160		
Ser	Leu	Thr	Phe	Thr	Leu	Pro	Tyr	Cys	Gly	Pro	Asn	Glu	Val	Asp	His		
			165					170						175			
Phe	Phe	Cys	Asp	Ile	Pro	Ala	Ile	Leu	Pro	Leu	Ala	Ser	Ala	Asp	Thr		
		180						185					190				
Ser	Leu	Ala	Gln	Arg	Val	Ser	Phe	Thr	Asn	Val	Gly	Leu	Val	Ser	Leu		
		195					200					205					
Val	Cys	Phe	Leu	Leu	Ile	Leu	Leu	Ser	Tyr	Thr	Arg	Ile	Thr	Ile	Ser		
	210					215					220						
Ile	Leu	Ser	Ile	Gln	Ser	Thr	Glu	Gly	Arg	Gln	Arg	Ala	Phe	Ser	Thr		
225					230				235						240		
Cys	Ser	Ala	His	Leu	Ile	Ala	Ile	Leu	Cys	Ala	Tyr	Gly	Pro	Ile	Ile		
			245						250					255			
Thr	Ile	Tyr	Leu	Gln	Pro	Thr	Pro	Asn	Pro	Met	Leu	Gly	Thr	Val	Val		
		260						265					270				
Gln	Ile	Leu	Met	Asn	Leu	Val	Gly	Pro	Met	Leu	Asn	Pro	Leu	Ile	Tyr		
		275					280					285					
Thr	Leu	Arg	Asn	Lys	Glu	Val	Lys	Ile	Ala	Leu	Lys	Lys	Ile	Leu	His		
	290				295						300						
Gly	Lys	Gly	Ser	Val	Ser	Glu	Gly										
305					310												

<210> 2468
 <211> 314
 <212> PRT
 <213> Mus musculus

<400> 2468

Met	Arg	Thr	Leu	Tyr	Ser	Asn	Thr	Ser	Ser	Thr	Leu	Ser	Phe	Met	Leu		
1				5				10					15				
Thr	Gly	Phe	Pro	Glu	Met	Gln	Ser	Leu	Glu	His	Trp	Leu	Ala	Ala	Leu		
		20					25					30					
Leu	Leu	Leu	Leu	Tyr	Val	Ile	Ser	Ile	Val	Gly	Asn	Ala	Leu	Ile	Leu		
		35					40				45						
Phe	Ile	Ile	Lys	Glu	Glu	Gln	Ser	Leu	His	His	Pro	Met	Tyr	Tyr	Phe		
	50					55					60						
Leu	Ser	Leu	Leu	Ser	Val	Asn	Asp	Leu	Gly	Val	Ser	Phe	Ser	Thr	Leu		
65					70				75						80		
Pro	Thr	Val	Leu	Ala	Ser	Met	Cys	Phe	His	Ile	Pro	Glu	Thr	Ala	Phe		
				85					90					95			

Asp	Ala	Cys	Leu	Ala	Gln	Met	Phe	Phe	Ile	His	Phe	Phe	Ser	Trp	Thr
			100					105					110		
Glu	Ser	Gly	Ile	Leu	Leu	Ala	Met	Ser	Phe	Asp	Arg	Tyr	Val	Ala	Ile
		115					120					125			
Cys	Asn	Pro	Leu	His	Tyr	Ser	Ser	Val	Leu	Thr	Asp	Ala	Arg	Val	Ala
	130					135					140				
His	Met	Gly	Met	Ser	Ile	Ile	Ile	Arg	Ser	Phe	Cys	Met	Val	Phe	Pro
145					150					155					160
Leu	Pro	Phe	Leu	Leu	Lys	Arg	Leu	Pro	Phe	Cys	Lys	Ala	Asn	Val	Leu
				165					170					175	
Thr	His	Ser	Tyr	Cys	Leu	His	Pro	Asp	Leu	Ile	Arg	Leu	Pro	Cys	Gly
			180					185					190		
Asp	Thr	Thr	Ile	Asn	Ser	Met	Tyr	Gly	Leu	Phe	Ile	Val	Ile	Ser	Ala
		195					200					205			
Phe	Gly	Val	Asp	Ser	Val	Leu	Ile	Leu	Leu	Ser	Tyr	Val	Leu	Ile	Leu
	210					215					220				
Arg	Ser	Val	Leu	Ala	Ile	Ala	Ser	Arg	Glu	Glu	Arg	Leu	Lys	Thr	Leu
225					230					235					240
Asn	Thr	Cys	Val	Ser	His	Ile	Ser	Ala	Val	Leu	Ile	Phe	Tyr	Val	Pro
				245					250					255	
Met	Ile	Ser	Val	Ser	Met	Val	His	Arg	Phe	Val	Lys	His	Ala	Pro	Glu
			260					265					270		
Tyr	Val	His	Lys	Phe	Thr	Ser	Leu	Val	Tyr	Leu	Phe	Val	Pro	Pro	Met
		275					280					285			
Leu	Asn	Pro	Ile	Ile	Tyr	Ser	Ile	Lys	Thr	Lys	Glu	Ile	Arg	Arg	Arg
	290					295					300				
Leu	His	Lys	Met	Leu	Leu	Gly	Thr	Lys	Phe						
305					310										

<210> 2469

<211> 322

<212> PRT

<213> Mus musculus

<400> 2469

Leu	Ile	Ile	Ser	Leu	Leu	Asn	Ala	Ser	Ser	Leu	Thr	Pro	Ala	Ser	Phe
1				5					10					15	
Ile	Leu	Asn	Gly	Ile	Pro	Gly	Leu	Glu	Glu	Val	His	Leu	Trp	Ile	Ser
			20					25					30		
Phe	Pro	Leu	Phe	Thr	Met	Tyr	Ser	Ile	Ala	Leu	Thr	Gly	Lys	Phe	Gly
		35					40					45			
Leu	Ile	Tyr	Leu	Ile	Tyr	Ser	Glu	Glu	Val	Leu	His	Arg	Pro	Met	Tyr
	50					55					60				
Ile	Phe	Leu	Ala	Leu	Leu	Ser	Phe	Thr	Asp	Val	Leu	Met	Cys	Thr	Ser
65					70					75					80
Thr	Leu	Pro	Asn	Thr	Leu	Cys	Ile	Leu	Trp	Phe	Asn	Val	Lys	Lys	Ile
				85					90					95	
Asp	Phe	Lys	Ala	Cys	Leu	Ala	Gln	Met	Phe	Phe	Val	His	Thr	Phe	Thr
			100					105					110		
Gly	Met	Glu	Ser	Gly	Val	Leu	Met	Leu	Met	Ala	Leu	Asp	Arg	Tyr	Val
		115					120					125			
Ala	Ile	Cys	Tyr	Pro	Leu	Arg	Tyr	Ala	Thr	Ile	Leu	Thr	Asn	Val	Val
	130					135					140				
Ile	Ala	Lys	Ala	Gly	Met	Leu	Thr	Phe	Leu	Arg	Gly	Val	Ile	Leu	Val
145					150					155					160
Ile	Pro	Phe	Ile	Phe	Leu	Thr	Lys	Arg	Leu	Pro	Tyr	Cys	Lys	Gly	Asn
				165					170					175	
Val	Ile	Pro	His	Thr	Tyr	Cys	Asp	His	Met	Ser	Val	Ala	Lys	Ile	Ser

Cys	Gly	Asn	Val	Gln	Ile	Asn	Ala	Ile	Tyr	Gly	Leu	Met	Val	Ala	Leu
		180						185					190		
Leu	Ile	Gly	Gly	Phe	Asp	Ile	Leu	Cys	Ile	Thr	Val	Ser	Tyr	Thr	Met
	195						200					205			
Ile	Leu	Arg	Ala	Val	Val	Ser	Leu	Ser	Ser	Ala	Asp	Ala	Arg	Gln	Lys
	210					215					220				
Ala	Phe	Ser	Thr	Cys	Thr	Ala	His	Ile	Cys	Ala	Ile	Val	Ile	Thr	Tyr
				230					235						240
Val	Pro	Ala	Phe	Phe	Thr	Phe	Phe	Thr	His	Arg	Phe	Gly	Arg	His	Thr
			245					250					255		
Ile	Pro	Pro	His	Ile	His	Ile	Ile	Met	Ala	Asn	Leu	Tyr	Leu	Leu	Met
	260							265					270		
Pro	Pro	Thr	Met	Asn	Pro	Ile	Val	Tyr	Gly	Val	Lys	Thr	Lys	Gln	Ile
	275					280							285		
Glu	Ser	Val	Ile	Arg	Phe	Leu	Phe	Lys	Gly	Arg	Glu	Asn	Ser	Ser	His
	290				310					315					320
Lys	Ile														

<210> 2470

<211> 317

<212> PRT

<213> Mus musculus

<400> 2470

Met	Glu	Gly	Lys	Asn	Gln	Thr	Ala	Pro	Ser	Glu	Phe	Ile	Ile	Leu	Gly
1			5					10					15		
Phe	Asp	His	Leu	Asn	Glu	Leu	Gln	Tyr	Leu	Leu	Phe	Thr	Ile	Phe	Phe
	20						25					30			
Leu	Thr	Tyr	Ile	Cys	Thr	Leu	Gly	Gly	Asn	Val	Phe	Ile	Ile	Val	Val
	35					40					45				
Thr	Ile	Ala	Asp	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Tyr	Phe	Leu	Gly
	50					55				60					
Asn	Leu	Ala	Leu	Ile	Asp	Ile	Cys	Tyr	Thr	Thr	Thr	Asn	Val	Pro	Gln
	65				70				75					80	
Met	Met	Val	His	Leu	Ser	Glu	Lys	Lys	Ile	Ile	Ser	Tyr	Gly	Gly	Gly
			85					90				95			
Cys	Val	Thr	Gln	Leu	Phe	Ala	Phe	Ile	Phe	Phe	Val	Gly	Ser	Glu	Cys
			100				105					110			
Leu	Leu	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Ile	Ala	Ile	Cys	Lys
	115					120					125				
Pro	Leu	Arg	Tyr	Ser	Phe	Ile	Met	Asn	Lys	Ala	Leu	Cys	Ser	Trp	Leu
	130					135				140					
Ala	Ala	Ser	Cys	Trp	Thr	Gly	Gly	Phe	Leu	Asn	Ser	Val	Leu	His	Thr
	145				150				155					160	
Val	Leu	Thr	Phe	His	Leu	Pro	Phe	Cys	Gly	Asn	Asn	Gln	Ile	Asn	Tyr
			165					170					175		
Phe	Phe	Cys	Asp	Ile	Pro	Pro	Leu	Leu	Ile	Leu	Ser	Cys	Gly	Asp	Thr
		180					185					190			
Ser	Leu	Asn	Glu	Leu	Ala	Leu	Leu	Ser	Ile	Gly	Ile	Leu	Ile	Gly	Trp
	195					200					205				
Thr	Pro	Phe	Leu	Cys	Ile	Ile	Leu	Ser	Tyr	Leu	Tyr	Ile	Ile	Ser	Thr
	210				215						220				
Ile	Leu	Arg	Ile	Arg	Ser	Ser	Glu	Gly	Arg	His	Lys	Ala	Phe	Ser	Thr
	225				230				235						240
Cys	Ala	Ser	His	Leu	Leu	Ile	Val	Ile	Leu	Tyr	Tyr	Gly	Ser	Ala	Ile
			245					250					255		

Phe	Thr	Tyr	Val	Arg	Pro	Ile	Ser	Ser	Tyr	Ser	Leu	Glu	Lys	Asp	Arg
			260					265					270		
Leu	Ile	Ser	Val	Leu	Tyr	Ser	Val	Val	Thr	Pro	Met	Leu	Asn	Pro	Val
		275					280					285			
Ile	Tyr	Thr	Leu	Arg	Asn	Lys	Asp	Ile	Lys	Glu	Ala	Met	Lys	Ala	Ile
	290					295					300				
Gly	Arg	Lys	Trp	Lys	Pro	Pro	Val	Phe	Ser	Ser	Asp	Ile			
305					310					315					

<210> 2471

<211> 330

<212> PRT

<213> Mus musculus

<400> 2471

Met	Thr	Tyr	Cys	Ser	Val	Phe	Gln	Glu	Met	Ser	Val	Asn	Cys	Ser	Leu
1				5					10					15	
Trp	Gln	Glu	Asn	Ser	Leu	Ser	Val	Lys	Arg	Phe	Ala	Phe	Ala	Lys	Phe
			20					25					30		
Ser	Glu	Val	Pro	Gly	Glu	Cys	Phe	Leu	Leu	Phe	Thr	Leu	Ile	Leu	Leu
		35					40					45			
Met	Phe	Leu	Val	Ser	Leu	Thr	Gly	Asn	Ala	Leu	Ile	Thr	Leu	Ala	Ile
	50					55					60				
Cys	Thr	Ser	Pro	Ala	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ala	Asn
65					70					75					80
Leu	Ser	Leu	Leu	Glu	Ile	Gly	Tyr	Thr	Cys	Thr	Val	Ile	Pro	Lys	Met
				85					90					95	
Leu	Gln	Ser	Leu	Val	Ser	Glu	Ala	Arg	Gly	Ile	Ser	Arg	Glu	Gly	Cys
			100					105					110		
Ala	Thr	Gln	Met	Phe	Phe	Phe	Thr	Leu	Phe	Gly	Ile	Thr	Glu	Cys	Cys
		115					120					125			
Leu	Leu	Ala	Ala	Met	Ala	Phe	Asp	Arg	Cys	Met	Ala	Ile	Cys	Ser	Pro
		130				135					140				
Leu	His	Tyr	Thr	Thr	Arg	Met	Asn	Arg	Gly	Val	Cys	Ala	His	Leu	Ala
145					150					155					160
Ile	Val	Ser	Trp	Gly	Thr	Gly	Cys	Ile	Val	Gly	Leu	Gly	Gln	Thr	Asn
			165						170					175	
Phe	Ile	Phe	Ser	Leu	Asn	Phe	Cys	Gly	Pro	Cys	Glu	Ile	Asp	His	Phe
			180					185					190		
Phe	Cys	Asp	Leu	Pro	Pro	Val	Leu	Ala	Leu	Ala	Cys	Gly	Asp	Thr	Ser
		195				200						205			
Gln	Asn	Glu	Ala	Ala	Ile	Phe	Val	Val	Ala	Ile	Leu	Cys	Ile	Ser	Ser
	210					215					220				
Pro	Phe	Leu	Leu	Ile	Ile	Tyr	Ser	Tyr	Val	Arg	Ile	Leu	Val	Ala	Val
225					230					235					240
Leu	Val	Met	Pro	Ser	Pro	Glu	Gly	Arg	His	Lys	Ala	Phe	Ser	Thr	Cys
				245					250					255	
Ser	Ser	His	Leu	Leu	Val	Val	Thr	Leu	Phe	Phe	Gly	Ser	Gly	Ser	Ile
			260					265					270		
Asn	Tyr	Leu	Arg	Pro	Lys	Ser	Ser	His	Ser	Pro	Gly	Met	Asp	Lys	Leu
		275					280					285			
Leu	Ala	Leu	Phe	Tyr	Thr	Ala	Val	Thr	Ser	Met	Leu	Asn	Pro	Ile	Ile
	290					295					300				
Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Lys	Ala	Ala	Leu	Arg	Arg	Thr	Leu
305					310					315					320
Gly	Leu	Lys	Lys	Val	Leu	Thr	Met	Asn	Arg						
				325					330						

<210> 2472
 <211> 314
 <212> PRT
 <213> Mus musculus

<400> 2472
 Met Glu Asp Met Thr Ser Gly Asn Asn Cys Thr Val Thr Glu Phe Phe
 1 5 10 15
 Leu Ala Gly Leu Ser Glu Glu Pro Glu Leu Gln Leu Pro Leu Phe Leu
 20 25 30
 Leu Phe Thr Gly Ile Tyr Leu Ile Thr Val Ala Gly Asn Leu Gly Met
 35 40 45
 Ile Thr Leu Ile Gly Ile Ser Ser His Leu His Thr Pro Met Tyr Tyr
 50 55 60
 Phe Leu Ser Ser Leu Ser Leu Ile Asp Phe Cys Gln Ser Thr Val Val
 65 70 75 80
 Ile Pro Lys Met Leu Met Ser Phe Leu Val Glu Lys Asn Leu Ile Ser
 85 90 95
 Tyr Pro Gly Cys Met Ala Gln Leu Tyr Phe Phe Ile Thr Phe Gly Ile
 100 105 110
 Ala Glu Cys Tyr Thr Leu Ala Ala Met Ala Tyr Asp Arg Tyr Val Ala
 115 120 125
 Ile Cys Asn Pro Leu Leu Tyr Asn Ala Thr Met Ser Ser Gln Ile Tyr
 130 135 140
 Thr Ser Leu Ile Leu Gly Val Tyr Ile Phe Ala Val Ile Cys Ala Ser
 145 150 155 160
 Val Asn Thr Gly Phe Met Ser Arg Ile Lys Phe Cys Lys Ser Asp Val
 165 170 175
 Ile Ser His Tyr Phe Cys Asp Phe Leu Pro Leu Leu Lys Leu Ala Cys
 180 185 190
 Ser Asp Ile Tyr Ile Asn Glu Met Leu Ile Leu Ser Phe Gly Thr Val
 195 200 205
 Asn Ile Cys Val Pro Leu Leu Thr Val Ile Thr Ser Tyr Ile Phe Ile
 210 215 220
 Ile Ala Ser Ile Leu Arg Ile Arg Ser Ser Glu Gly Arg Ser Lys Ala
 225 230 235 240
 Phe Ser Thr Cys Ser Ser His Ile Ser Ala Val Ala Val Phe Tyr Gly
 245 250 255
 Ser Ala Ala Phe Thr Tyr Leu Gln Pro Ser Ser Val Ser Leu Ile Asp
 260 265 270
 Gln Gly Lys Val Ser Ser Val Phe Tyr Thr Thr Val Val Pro Met Leu
 275 280 285
 Asn Pro Leu Ile Tyr Ser Leu Arg Asn Lys Asp Val Thr Val Ala Leu
 290 295 300
 Lys Thr Ile Leu Glu Arg Lys Lys Phe Met
 305 310

<210> 2473
 <211> 317
 <212> PRT
 <213> Mus musculus

<400> 2473
 Met Ser Thr Phe His Asn Val Cys Ser Val Pro Ser Ser Leu Trp Leu
 1 5 10 15
 Thr Gly Ile Pro Gly Leu Glu Thr Leu His Ile Trp Leu Ser Ile Pro
 20 25 30

Phe	Gly	Ser	Met	Tyr	Leu	Val	Ala	Val	Val	Gly	Asn	Ile	Thr	Ile	Leu
	35						40				45				
Ala	Val	Val	Arg	Val	Glu	Arg	Ser	Leu	His	Gln	Pro	Met	Tyr	Phe	Phe
	50					55					60				
Leu	Cys	Met	Leu	Ala	Val	Ile	Asp	Leu	Val	Leu	Ser	Thr	Ser	Thr	Met
65					70					75					80
Pro	Lys	Leu	Leu	Ala	Ile	Phe	Trp	Phe	Gly	Ala	Gly	His	Ile	Gly	Leu
				85					90					95	
Asp	Ala	Cys	Leu	Cys	Gln	Met	Phe	Leu	Ile	His	Cys	Phe	Ala	Thr	Val
			100					105					110		
Glu	Ser	Gly	Ile	Phe	Leu	Ala	Met	Ala	Phe	Asp	Arg	Tyr	Val	Ala	Ile
	115						120					125			
Cys	Asn	Pro	Leu	Arg	His	Ser	Met	Val	Leu	Thr	His	Thr	Leu	Val	Gly
	130					135					140				
Arg	Leu	Gly	Leu	Ala	Ala	Val	Leu	Arg	Gly	Val	Leu	Tyr	Ile	Gly	Pro
145					150					155					160
Leu	Pro	Leu	Met	Ile	Arg	Leu	Arg	Leu	Pro	Leu	Tyr	Lys	Thr	Arg	Val
				165					170					175	
Ile	Ser	His	Ser	Tyr	Cys	Glu	His	Met	Ala	Val	Val	Ala	Leu	Thr	Cys
			180					185					190		
Gly	Asp	Ser	Arg	Val	Asn	Asn	Val	Tyr	Gly	Leu	Ser	Ile	Gly	Phe	Leu
	195					200						205			
Val	Leu	Ile	Leu	Asp	Ser	Ala	Ala	Ile	Ala	Ala	Ser	Tyr	Val	Met	Ile
	210					215					220				
Phe	Arg	Ala	Val	Met	Gly	Leu	Ala	Thr	Pro	Glu	Ala	Arg	Leu	Lys	Ala
225					230					235					240
Leu	Gly	Thr	Cys	Gly	Ser	His	Ile	Cys	Ala	Ile	Leu	Ile	Phe	Tyr	Val
				245					250					255	
Pro	Ile	Ala	Val	Ser	Ser	Leu	Ile	His	Arg	Phe	Gly	His	Gln	Val	Pro
			260					265					270		
Pro	Pro	Ile	His	Thr	Leu	Leu	Ala	Asn	Phe	Tyr	Leu	Leu	Ile	Pro	Pro
		275					280					285			
Ile	Leu	Asn	Pro	Ile	Val	Tyr	Ala	Val	Arg	Thr	Lys	Gln	Ile	Arg	Asp
	290					295					300				
Arg	Leu	Leu	Gln	Ile	Leu	Lys	Thr	Gly	Thr	Lys	Ile	Arg			
305					310					315					

<210> 2474

<211> 309

<212> PRT

<213> Mus musculus

<400> 2474

Ile	Glu	Leu	Asn	Thr	Thr	Pro	Thr	Gln	Leu	Thr	Phe	Phe	Leu	Leu	Thr
1				5					10					15	
Gly	Val	Pro	Gly	Leu	Glu	Asp	Ile	Gln	Ile	Trp	Met	Ser	Ile	Pro	Phe
			20					25					30		
Ser	Phe	Met	Tyr	Val	Leu	Ala	Val	Leu	Gly	Asn	Val	Leu	Val	Met	Ala
		35					40				45				
Val	Val	Val	Tyr	Asp	Arg	Ser	Leu	His	Glu	Pro	Met	Tyr	Leu	Phe	Leu
	50					55				60					
Ala	Met	Leu	Ala	Phe	Asn	Asp	Val	Leu	Leu	Cys	Thr	Val	Thr	Val	Pro
65					70					75					80
Gln	Met	Leu	Leu	Ile	Phe	Trp	Gln	Gly	Pro	Leu	Glu	Ala	Thr	Phe	Pro
				85				90						95	
Ala	Cys	Leu	Thr	Gln	Met	Phe	Phe	Val	His	Ala	Leu	Phe	Leu	Ser	Glu
			100					105					110		
Ser	Ala	Val	Leu	Leu	Ala	Met	Ala	Phe	Asp	Arg	Tyr	Val	Ala	Ile	Cys

Glu	Leu	Met	Ser	Phe	Ile	Leu	Ala	Leu	Ile	Thr	Leu	Met	Thr	Thr	Leu
210						215					220				
Met	Leu	Ile	Ile	Leu	Ser	Tyr	Thr	Cys	Ile	Leu	Arg	Thr	Ile	Leu	Lys
225					230					235					240
Phe	Pro	Ser	Ala	Lys	Gln	Arg	Glu	Lys	Ala	Phe	Ser	Thr	Cys	Ser	Ser
				245					250					255	
His	Met	Ile	Val	Val	Ser	Ile	Ser	Tyr	Gly	Ser	Cys	Ile	Phe	Met	Tyr
			260					265					270		
Val	Lys	Thr	Ser	Ala	Lys	Ala	Gly	Val	Ala	Leu	Thr	Lys	Gly	Val	Ala
			275				280					285			
Met	Leu	Asn	Thr	Ser	Val	Ala	Pro	Met	Leu	Asn	Pro	Phe	Ile	Tyr	Thr
	290					295					300				
Leu	Arg	Asn	Gln	Gln	Val	Lys	Gln	Ala	Phe	Lys	Asp	Leu	Val	Arg	Lys
305					310					315					320
Lys	Leu	Ala	Ser	Lys	Leu	Leu	Ile								
				325											

<210> 2476

<211> 311

<212> PRT

<213> Mus musculus

<400> 2476

Met	Gln	Asn	Gln	Ser	Phe	Val	Thr	Glu	Phe	Val	Phe	Leu	Gly	Leu	Ser
1				5					10					15	
Gln	Asn	Pro	Asn	Leu	Gln	Lys	Leu	Ile	Phe	Ile	Ile	Cys	Leu	Val	Val
			20					25					30		
Tyr	Ile	Ala	Thr	Met	Gly	Ser	Asn	Met	Met	Ile	Val	Val	Thr	Val	Val
		35					40					45			
Cys	Ser	Pro	Thr	Leu	Leu	Gly	Ser	Pro	Met	Tyr	Phe	Phe	Leu	Ala	Phe
	50					55					60				
Leu	Ser	Leu	Leu	Asp	Ala	Ser	Phe	Ser	Ser	Ala	Met	Thr	Pro	Lys	Met
65				70						75					80
Ile	Leu	Asp	Ser	Leu	Tyr	Lys	Arg	Lys	Thr	Ile	Ser	Phe	Glu	Gly	Cys
				85					90					95	
Met	Ile	Gln	Leu	Phe	Val	Glu	His	Phe	Leu	Gly	Gly	Ala	Glu	Met	Ile
			100					105					110		
Leu	Leu	Thr	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro
		115					120					125			
Leu	His	Tyr	Ser	Ser	Ile	Met	Thr	Arg	Lys	Val	Cys	Gly	Thr	Leu	Val
	130					135					140				
Gly	Val	Ala	Trp	Ala	Gly	Gly	Leu	Leu	His	Ser	Thr	Val	Gln	Ile	Ile
145					150					155					160
Phe	Thr	Leu	Gln	Leu	Pro	Phe	Cys	Gly	Pro	Asn	Val	Ile	Asn	His	Phe
				165					170					175	
Met	Cys	Asp	Leu	Phe	Pro	Leu	Leu	Glu	Leu	Ala	Cys	Thr	Asp	Thr	His
			180					185					190		
Ile	Phe	Gly	Leu	Phe	Val	Val	Ala	Asn	Ser	Gly	Leu	Ile	Cys	Ile	Ile
		195					200					205			
Val	Phe	Val	Leu	Leu	Leu	Val	Ser	Tyr	Gly	Phe	Ile	Leu	Leu	Ser	Leu
	210					215					220				
Arg	Ser	Gln	Ser	Ser	Glu	Gly	Arg	Trp	Lys	Ala	Leu	Ser	Thr	Cys	Gly
225					230					235					240
Ser	His	Val	Ala	Val	Val	Val	Leu	Phe	Phe	Val	Pro	Cys	Ile	Phe	Ile
				245					250					255	
Tyr	Ala	Arg	Pro	His	Ser	Ala	Phe	Ser	Phe	Asp	Lys	Met	Val	Ala	Leu
			260					265					270		
Phe	Tyr	Thr	Met	Leu	Ser	Pro	Leu	Leu	Asn	Pro	Ile	Ile	Tyr	Thr	Phe

	275					280			285						
Arg	Asn	Lys	Asp	Met	Lys	Asn	Ala	Ile	Arg	Lys	Leu	Trp	Lys	Lys	Leu
	290					295					300				
Val	Met	Val	Ser	Asp	Glu	Arg									
305					310										

<210> 2477
 <211> 305
 <212> PRT
 <213> Mus musculus

<220>
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 <222> (12)...(18)
 <223> Any amino acid

<221> VARIANT
 <222> (20)...(25)
 <223> Any amino acid

<400> 2477

Met	Gln	Asn	Gln	Ser	Phe	Ile	Thr	Glu	Phe	Val	Xaa	Xaa	Xaa	Xaa	Xaa
1				5					10					15	
Xaa	Xaa	Pro	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Val	Tyr	Ile	Ala	Thr	Ile	Gly
			20					25					30		
Gly	Asn	Met	Met	Ile	Val	Val	Thr	Val	Val	Cys	Thr	Pro	Ala	Leu	Leu
		35					40					45			
Gly	Ser	Pro	Met	Tyr	Phe	Phe	Leu	Ala	Phe	Leu	Ser	Leu	Leu	Asp	Ala
	50					55					60				
Ser	Phe	Ser	Ser	Ala	Met	Thr	Pro	Lys	Met	Ile	Val	Asp	Ser	Leu	Tyr
65					70					75					80
Glu	Arg	Lys	Thr	Ile	Ser	Phe	Glu	Gly	Cys	Met	Ile	Gln	Leu	Phe	Ala
				85					90					95	
Glu	His	Phe	Phe	Gly	Gly	Ala	Glu	Val	Ile	Val	Leu	Ser	Ala	Met	Ala
			100					105					110		
Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu	His	Tyr	Ser	Ser	Ile
	115						120					125			
Met	Thr	Leu	Arg	Leu	Cys	Gly	Thr	Leu	Val	Gly	Val	Ala	Trp	Thr	Gly
	130					135					140				
Gly	Phe	Leu	His	Ser	Ile	Ile	Gln	Ile	Ile	Phe	Thr	Leu	Gln	Leu	Pro
145					150					155					160
Phe	Cys	Gly	Pro	Asn	Ile	Ile	Asp	His	Phe	Ile	Cys	Asp	Leu	Tyr	Pro
				165					170					175	
Leu	Leu	Glu	Leu	Ala	Cys	Thr	Asp	Thr	His	Ile	Phe	Gly	Leu	Leu	Val
			180					185					190		
Val	Ala	Asn	Ser	Gly	Phe	Ile	Cys	Ile	Ile	Ile	Phe	Thr	Leu	Leu	Leu
		195					200					205			
Val	Ser	Tyr	Gly	Phe	Ile	Leu	Leu	Ser	Leu	Arg	Ser	His	Ser	Ser	Glu
	210					215					220				
Gly	Arg	Trp	Lys	Ala	Leu	Ser	Thr	Cys	Gly	Ser	His	Ile	Ala	Val	Val
225					230					235					240
Val	Leu	Phe	Phe	Val	Pro	Cys	Ile	Phe	Thr	Tyr	Ala	Arg	Pro	Pro	Thr
				245					250					255	
Ala	Phe	Ser	Phe	Asp	Lys	Met	Val	Ala	Ile	Phe	Tyr	Thr	Met	Leu	Ser
			260					265					270		
Pro	Leu	Leu	Asn	Pro	Met	Ile	Tyr	Thr	Phe	Arg	Asn	Lys	Asp	Met	Lys
			275				280					285			
Asn	Ala	Ile	Arg	Lys	Met	Trp	Thr	Arg	Leu	Ile	Val	His	Ser	Asp	Lys

290

295

300

Lys
305

<210> 2478

<211> 312

<212> PRT

<213> Mus musculus

<400> 2478

Met	Gly	Arg	Glu	Asn	Gln	Thr	Ser	Thr	Phe	Glu	Phe	Leu	Leu	Trp	Gly
1				5					10					15	
Leu	Ser	Glu	Gln	Leu	Gln	Gln	Gln	His	Ile	Leu	Phe	Leu	Ile	Phe	Leu
			20					25					30		
Trp	Met	Tyr	Leu	Val	Thr	Val	Val	Gly	Asn	Leu	Leu	Ile	Val	Leu	Ala
		35					40					45			
Ile	Ser	Thr	Asp	Val	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Leu	Leu	Ala
	50					55					60				
Asn	Leu	Ser	Cys	Asp	Asp	Ile	Leu	Phe	Thr	Ser	Thr	Thr	Ile	Pro	Lys
65				70						75					80
Ala	Leu	Val	Asn	Ile	His	Thr	Gln	Ser	Arg	Thr	Ile	Ser	Tyr	Ala	Gly
			85						90					95	
Cys	Leu	Val	Gln	Leu	Tyr	Phe	Phe	Leu	Thr	Phe	Gly	Asp	Met	Asp	Ile
			100					105					110		
Phe	Leu	Leu	Ala	Thr	Met	Ala	Tyr	Asp	Arg	Phe	Val	Ala	Ile	Cys	His
		115					120					125			
Pro	Leu	His	Tyr	Arg	Met	Ile	Met	Ser	Phe	Gln	Arg	Cys	Ser	Leu	Leu
	130				135						140				
Val	Thr	Ala	Cys	Trp	Ile	Leu	Thr	Thr	Phe	Val	Ala	Met	Thr	His	Thr
145				150						155					160
Leu	Leu	Ile	Phe	Arg	Leu	Ser	Phe	Cys	Ser	Lys	Lys	Val	Ile	Pro	Asp
			165					170						175	
Phe	Phe	Cys	Asp	Leu	Gly	Pro	Leu	Met	Lys	Ile	Ala	Cys	Ser	Glu	Thr
			180					185					190		
Arg	Ile	Asn	Glu	Leu	Val	Leu	Leu	Phe	Leu	Gly	Gly	Ala	Val	Ile	Leu
		195					200					205			
Ile	Pro	Phe	Leu	Leu	Ile	Leu	Val	Ser	Tyr	Ile	Arg	Ile	Val	Ser	Ala
	210					215					220				
Ile	Leu	Arg	Leu	Pro	Ser	Ala	Gln	Gly	Arg	Arg	Lys	Ala	Phe	Ser	Thr
225				230					235						240
Cys	Gly	Ser	His	Leu	Ser	Val	Val	Ala	Leu	Cys	Phe	Gly	Thr	Val	Ile
			245						250					255	
Lys	Ala	Tyr	Leu	Cys	Pro	Ser	Ser	Ser	Ser	Ser	Asn	Ser	Val	Val	Glu
			260					265					270		
Asp	Thr	Ala	Ala	Val	Val	Met	Tyr	Thr	Val	Val	Thr	Pro	Leu	Leu	Asn
		275					280					285			
Pro	Phe	Ile	Tyr	Ser	Leu	Asn	Lys	Asp	Met	Lys	Gly	Ala	Leu	Val	Arg
	290					295					300				
Ile	Leu	Lys	Gly	Lys	Val	Ser	Phe								
305					310										

<210> 2479

<211> 308

<212> PRT

<213> Mus musculus

<400> 2479

Met Glu Lys Asn Ala Thr Leu Leu Thr Glu Phe Val Leu Thr Gly Leu
 1 5 10 15
 Ser His Gln Pro Leu Trp Asn Ile Pro Leu Phe Leu Val Phe Leu Val
 20 25 30
 Ile Tyr Leu Ile Thr Ile Val Gly Asn Val Ser Leu Ile Thr Leu Ile
 35 40 45
 Trp Thr Asp Pro His Leu His Ile Pro Met Tyr Leu Phe Leu Gly Ser
 50 55 60
 Leu Ala Phe Val Asp Thr Ser Ile Ser Ser Ile Val Val Pro Lys Met
 65 70 75 80
 Leu Leu Asn Phe Phe Gly Lys Ser Lys Val Ile Thr Leu Ser Glu Cys
 85 90 95
 Met Ala Gln Phe Phe Leu Phe Asn Ile Ser Ala Thr Thr Glu Cys Phe
 100 105 110
 Leu Leu Ala Ala Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Lys Pro
 115 120 125
 Leu Leu Tyr Pro Val Val Met Thr Asn Gly Leu Cys Val Trp Leu Ile
 130 135 140
 Ala Leu Ser Phe Val Ala Gly Ile Ile His Ala Leu Ile His Glu Gly
 145 150 155 160
 Phe Leu Leu Arg Leu Thr Phe Cys Asn Ser Asn Met Ile His Asn Phe
 165 170 175
 Tyr Cys Asp Ile Ile Ser Leu Leu Lys Ile Ser Cys Thr Asp Thr Ser
 180 185 190
 Leu Asn Tyr Leu Ile Val Phe Ile Phe Ser Gly Ser Ile Gln Val Phe
 195 200 205
 Thr Ile Ser Thr Ile Leu Val Ser Tyr Thr Ile Ile Leu Phe Thr Ile
 210 215 220
 Leu Lys Lys Lys Ser Ala Lys Gly Ile Lys Lys Ala Phe Ser Thr Cys
 225 230 235 240
 Gly Ala His Leu Leu Ser Val Ser Leu Tyr Tyr Gly Pro Leu Leu Phe
 245 250 255
 Met Tyr Val His Pro Ala Ser Ser Glu Val Asp Asp Gln Asp Met Ile
 260 265 270
 Asp Ser Leu Phe Tyr Thr Val Ile Ile Pro Val Leu Asn Pro Ile Ile
 275 280 285
 Tyr Ser Leu Arg Asn Lys Gln Val Ile Asp Ser Leu Ala Lys Phe Leu
 290 295 300
 Lys Arg Asn Val
 305

<210> 2480

<211> 309

<212> PRT

<213> Mus musculus

<400> 2480

Met Glu Asp Gly Asn Thr Thr Leu Leu Thr Glu Phe Val Leu Thr Gly
 1 5 10 15
 Leu Thr Asp His Gln Gly Leu Gln Val Pro Leu Phe Leu Leu Phe Leu
 20 25 30
 Met Ile Tyr Leu Ile Thr Val Val Gly Asn Leu Gly Leu Ile Ala Leu
 35 40 45
 Ile Trp Ser Asp Pro His Leu His Ile Pro Met Tyr Leu Phe Leu Gly
 50 55 60
 Ser Leu Ala Phe Val Asp Ala Trp Ile Ser Ser Ala Val Thr Pro Asn
 65 70 75 80
 Met Leu Phe Asp Leu Leu Ser Lys Asn Lys Met Ile Ser Leu Ser Glu

				85				90					95				
Cys	Met	Ile	Gln	Phe	Phe	Ala	Phe	Ala	Phe	Gly	Gly	Thr	Thr	Glu	Cys		
			100					105					110				
Phe	Leu	Leu	Gly	Thr	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys		
		115					120					125					
Pro	Leu	Leu	Tyr	Pro	Val	Ile	Met	Thr	Asn	Arg	Leu	Cys	Ile	Arg	Leu		
	130					135					140						
Leu	Val	Ser	Val	Phe	Ile	Gly	Gly	Phe	Leu	His	Ser	Leu	Phe	His	Val		
145				150						155					160		
Leu	Phe	Leu	Leu	Arg	Leu	Thr	Phe	Cys	Asn	Ser	Asn	Ile	Ile	His	His		
				165					170					175			
Phe	Tyr	Cys	Asp	Ile	Ile	Pro	Leu	Tyr	Asn	Ile	Ser	Cys	Thr	Asp	Pro		
		180						185					190				
Thr	Leu	Asn	Leu	Leu	Leu	Val	Phe	Ile	Leu	Ser	Gly	Ser	Ile	Gln	Val		
		195				200						205					
Phe	Thr	Ile	Met	Thr	Val	Leu	Val	Ser	Tyr	Thr	Leu	Val	Leu	Phe	Thr		
	210					215					220						
Ile	Leu	Lys	Met	Lys	Ser	Leu	Gln	Gly	Ile	Arg	Lys	Ala	Phe	Ser	Thr		
225				230						235					240		
Cys	Gly	Ala	His	Leu	Leu	Ser	Val	Ser	Leu	Tyr	Tyr	Gly	Pro	Leu	Leu		
				245					250					255			
Phe	Met	Tyr	Val	Leu	Pro	Ala	Ser	Gln	Gln	Thr	Asp	Gly	Gln	Gly	Met		
			260					265					270				
Met	Asp	Ser	Leu	Phe	Tyr	Thr	Val	Ile	Ile	Pro	Val	Leu	Asn	Pro	Ile		
		275					280					285					
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Gln	Val	Thr	Asp	Ser	Leu	Lys	Lys	Arg		
	290					295					300						
Leu	Glu	Arg	His	Val													
305																	

<210> 2481

<211> 325

<212> PRT

<213> Mus musculus

<400> 2481

Met	Thr	Gln	Thr	Pro	Thr	Lys	Ser	Phe	Leu	Gln	Met	Lys	His	Asp	Glu		
1				5					10					15			
Ile	Glu	Ala	Glu	Val	Asn	Ile	Ser	Thr	Val	Ile	Gln	Phe	Val	Leu	Leu		
			20					25					30				
Gly	Phe	Ser	Ala	Leu	Pro	Asn	Leu	Gln	Gly	Ile	Leu	Ser	Ala	Leu	Phe		
		35				40						45					
Ser	Ile	Ile	Tyr	Met	Ile	Ile	Leu	Thr	Gly	Asn	Cys	Leu	Ile	Ile	Leu		
		50				55					60						
Ile	Thr	Arg	Leu	Asp	His	Thr	Leu	His	Lys	Pro	Met	Tyr	Phe	Phe	Leu		
65					70					75					80		
Ala	Asn	Phe	Ser	Ser	Leu	Glu	Ile	Cys	Tyr	Val	Ser	Val	Thr	Val	Pro		
				85					90					95			
Arg	Ile	Leu	Phe	Asn	Ile	Trp	Thr	Gln	Asp	Arg	Asn	Ile	Ser	Val	Leu		
			100					105					110				
Ala	Cys	Ala	Val	Gln	Met	Cys	Phe	Phe	Leu	Met	Leu	Gly	Thr	Asp	Glu		
		115					120					125					
Cys	Phe	Leu	Leu	Ala	Val	Met	Ser	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys		
	130					135					140						
Asn	Pro	Leu	His	Tyr	Pro	Leu	Ile	Met	Asn	Ser	Lys	Lys	Cys	Thr	Gln		
145					150					155					160		
Leu	Ala	Ala	Gly	Ser	Trp	Leu	Ser	Gly	Ile	Pro	Ile	Gln	Ile	Gly	Gln		
				165					170					175			

Thr	Cys	Trp	Ile	Phe	Ser	Met	His	Phe	Cys	Asp	Ser	Asn	Glu	Ile	Asp
			180					185					190		
His	Phe	Phe	Cys	Asp	Ile	Pro	Pro	Ile	Leu	Lys	Leu	Ala	Cys	Gly	Asp
		195					200					205			
Thr	Ser	Val	His	Glu	Leu	Ser	Val	Tyr	Val	Val	Val	Met	Val	Val	Ala
	210					215					220				
Ala	Phe	Pro	Phe	Ile	Leu	Val	Leu	Thr	Ser	Tyr	Ser	Lys	Ile	Ile	Ala
225					230					235					240
Thr	Ile	Leu	Arg	Leu	Pro	Thr	Ala	Lys	Gly	Arg	Ala	Lys	Ala	Phe	Ser
			245						250					255	
Thr	Cys	Ser	Ser	His	Leu	Leu	Val	Val	Val	Leu	Phe	Tyr	Gly	Ser	Gly
			260					265					270		
Thr	Ile	Thr	Tyr	Leu	Arg	Pro	Lys	Ser	Thr	His	Ser	Pro	Gly	Ile	Asp
		275					280					285			
Lys	Leu	Leu	Ser	Leu	Phe	Tyr	Thr	Ile	Val	Thr	Pro	Met	Phe	Asn	Pro
	290					295					300				
Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Val	Val	Ala	Leu	Arg	Lys
305					310					315					320
Leu	Ile	Leu	Gln	Lys											
				325											

<210> 2482

<211> 285

<212> PRT

<213> Mus musculus

<400> 2482

Met	Glu	Pro	Gly	Asn	His	Thr	Met	Val	Thr	Glu	Phe	Ile	Ile	Leu	Gly
1				5					10					15	
Leu	Thr	Glu	Asn	Pro	Thr	Leu	Cys	Cys	Ile	Phe	Phe	Val	Leu	Phe	Leu
			20					25					30		
Gly	Val	Tyr	Leu	Thr	Thr	Ile	Leu	Gly	Asn	Val	Ser	Ile	Ile	Met	Leu
		35				40						45			
Ile	Arg	Arg	Ser	Pro	Gln	Leu	His	Thr	Pro	Met	Tyr	Leu	Phe	Leu	Ser
	50					55					60				
His	Leu	Ala	Phe	Val	Asp	Ile	Gly	Tyr	Ser	Ser	Ser	Val	Thr	Pro	Val
65					70					75					80
Met	Ile	Val	Ser	Phe	Leu	Arg	Glu	Arg	Thr	Ala	Ile	Pro	Val	Ala	Gly
				85					90					95	
Cys	Ile	Val	Gln	Leu	Gly	Ser	Asp	Val	Val	Phe	Gly	Thr	Ala	Glu	Cys
			100					105					110		
Phe	Leu	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Ser
		115					120					125			
Pro	Leu	Leu	Tyr	Ser	Thr	Leu	Met	Ser	Pro	Lys	Val	Cys	Leu	Ile	Leu
	130					135					140				
Leu	Val	Ile	Ser	Tyr	Val	Gly	Gly	Cys	Val	Asn	Ser	Ser	Ser	Phe	Thr
145					150					155					160
Ser	Cys	Leu	Leu	Ser	Leu	Thr	Phe	Cys	Gly	Pro	Asn	Lys	Val	Asn	His
				165					170					175	
Phe	Phe	Cys	Asp	Leu	Pro	Pro	Leu	Val	Glu	Leu	Ser	Cys	Thr	His	Val
			180					185					190		
Tyr	Val	Ala	Glu	Met	Ser	Pro	Ala	Ile	Ser	Ala	Gly	Ser	Ile	Ile	Val
		195					200					205			
Ile	Thr	Leu	Phe	Val	Ile	Ile	Ile	Ser	Tyr	Val	Tyr	Ile	Leu	His	Ser
	210					215					220				
Ile	Leu	Arg	Met	Arg	Ser	Thr	Glu	Gly	Arg	His	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Thr	Ser	His	Leu	Thr	Ala	Val	Thr	Leu	Phe	Tyr	Gly	Thr	Val	Thr

				245					250					255			
Phe	Val	Tyr	Val	Ile	Pro	Glu	Ser	Ser	His	Ser	Pro	Asn	Lys	Ile	Lys		
			260					265					270				
Val	Val	Ser	Val	Phe	Tyr	Thr	Val	Val	Ile	Pro	Met	Leu					
		275					280					285					

<210> 2483
 <211> 313
 <212> PRT
 <213> Mus musculus

<400> 2483

Met	Lys	Asn	Gln	Ser	Val	Lys	Ile	Glu	Phe	Ile	Leu	Leu	Gly	Leu	Thr		
1				5					10					15			
Asp	Asp	Pro	Gln	Leu	Gln	Ile	Leu	Val	Phe	Leu	Phe	Leu	Phe	Phe	Asn		
			20					25					30				
Tyr	Ile	Leu	Ser	Val	Met	Gly	Asn	Leu	Val	Ile	Ile	Leu	Leu	Thr	Leu		
		35					40					45					
Leu	Asp	Pro	His	Leu	Lys	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Arg	Asn	Phe		
	50					55					60						
Ser	Phe	Leu	Glu	Ile	Ala	Phe	Thr	Thr	Val	Cys	Ile	Pro	Arg	Phe	Leu		
65					70					75					80		
Met	Ser	Ile	Leu	Ser	Gly	Asp	Arg	Thr	Ile	Ser	Tyr	Asn	Ala	Cys	Ala		
				85					90					95			
Ala	Gln	Leu	Phe	Phe	Phe	Phe	Leu	Leu	Gly	Ala	Thr	Glu	Phe	Tyr	Leu		
			100					105					110				
Leu	Ala	Ala	Met	Ser	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Arg	Pro	Leu		
		115				120						125					
His	Tyr	Pro	Ile	Ile	Met	Asn	Ser	Lys	Val	Cys	His	Leu	Leu	Val	Leu		
	130					135					140						
Ser	Cys	Trp	Val	Thr	Gly	Phe	Leu	Val	Ile	Phe	Pro	Pro	Leu	Leu	Leu		
145					150					155					160		
Gly	Leu	Lys	Leu	Asp	Phe	Cys	Ala	Ser	Lys	Thr	Ile	Asp	His	Phe	Leu		
			165						170					175			
Cys	Asp	Thr	Ser	Pro	Val	Leu	Gln	Leu	Ser	Cys	Thr	Asp	Thr	His	Phe		
		180						185					190				
Ile	Glu	Leu	Met	Ala	Phe	Ala	Leu	Ala	Val	Met	Thr	Leu	Val	Ile	Thr		
		195					200					205					
Leu	Ile	Leu	Val	Ile	Leu	Ser	Tyr	Ile	Leu	Ile	Ile	Lys	Thr	Ile	Leu		
	210					215					220						
Lys	Phe	Pro	Ser	Ala	Gln	Gln	Arg	Arg	Lys	Ala	Phe	Ser	Thr	Cys	Ser		
225					230					235					240		
Ser	His	Met	Val	Val	Val	Ser	Ile	Thr	Tyr	Gly	Ser	Cys	Ile	Phe	Met		
				245					250					255			
Tyr	Met	Lys	Thr	Ser	Ala	Lys	Glu	Arg	Val	Thr	Leu	Asn	Lys	Gly	Val		
		260						265					270				
Ala	Val	Leu	Asn	Thr	Val	Ile	Lys	Arg	Val	Leu	Thr	Pro	Gly	Gln	Glu		
		275					280					285					
Glu	His	Asn	Lys	Pro	Glu	Ser	Ser	Ala	Ala	Lys	Leu	Tyr	Cys	Leu	His		
	290					295					300						
Leu	Gln	Glu	Gln	Glu	Cys	Lys	Lys	Gln									
305					310												

<210> 2484
 <211> 324
 <212> PRT
 <213> Mus musculus

<400> 2484

Met	Asn	Glu	Thr	Asn	Tyr	Ser	Arg	Val	Thr	Glu	Phe	Val	Leu	Leu	Gly
1				5					10					15	
Leu	Ser	Ser	Ser	Lys	Glu	Leu	Gln	Pro	Phe	Leu	Phe	Leu	Ile	Phe	Ser
			20					25					30		
Leu	Leu	Tyr	Leu	Ala	Ile	Leu	Leu	Gly	Asn	Phe	Leu	Ile	Ile	Leu	Thr
		35					40					45			
Val	Thr	Ser	Asp	Pro	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Leu	Leu	Ala
	50					55					60				
Asn	Leu	Ser	Phe	Ile	Asp	Met	Cys	Val	Ala	Ser	Phe	Ala	Thr	Pro	Lys
65					70					75					80
Met	Leu	Ala	Asp	Phe	Leu	Val	Glu	Arg	Lys	Thr	Ile	Ser	Phe	Glu	Ala
			85						90					95	
Cys	Leu	Ala	Gln	Ile	Phe	Phe	Val	His	Leu	Phe	Thr	Gly	Gly	Glu	Met
			100					105					110		
Val	Leu	Leu	Val	Ser	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys
		115					120					125			
Pro	Leu	His	Tyr	Met	Thr	Ile	Met	Ser	Arg	Arg	Val	Cys	Ile	Ile	Leu
	130					135					140				
Val	Cys	Ile	Ser	Trp	Phe	Val	Gly	Phe	Ile	His	Thr	Thr	Ser	Gln	Leu
145					150					155					160
Ala	Phe	Thr	Val	Asn	Leu	Pro	Phe	Cys	Gly	Pro	Asn	Lys	Val	Asp	Ser
				165					170					175	
Phe	Phe	Cys	Asp	Leu	Leu	Leu	Val	Thr	Lys	Leu	Ala	Cys	Ile	Asp	Thr
			180					185					190		
Tyr	Val	Val	Ser	Leu	Leu	Ile	Val	Ala	Asp	Ser	Gly	Phe	Leu	Ser	Met
		195					200					205			
Ser	Ser	Phe	Leu	Leu	Leu	Val	Val	Ser	Tyr	Thr	Val	Ile	Leu	Ile	Thr
	210					215					220				
Val	Arg	Asn	Arg	Ser	Ser	Ala	Ser	Met	Ala	Lys	Ala	Arg	Ser	Thr	Leu
225					230					235					240
Thr	Ala	His	Ile	Thr	Val	Val	Val	Leu	Phe	Phe	Gly	Pro	Cys	Ile	Phe
				245					250					255	
Ile	Tyr	Val	Trp	Pro	Phe	Ser	Ser	Tyr	Ser	Val	Asp	Lys	Val	Leu	Ala
			260					265					270		
Val	Phe	Tyr	Thr	Ile	Phe	Thr	Pro	Ile	Leu	Asn	Pro	Val	Ile	Tyr	Thr
		275					280					285			
Leu	Arg	Asn	Lys	Glu	Val	Lys	Ala	Ala	Met	Ser	Lys	Leu	Arg	Gly	Arg
	290					295					300				
Tyr	Leu	Lys	Pro	Gly	Gln	Val	Ser	Ala	Leu	Ile	Arg	Asn	Val	Leu	Phe
305					310					315					320
Leu	Glu	Thr	Lys												

<210> 2485

<211> 309

<212> PRT

<213> Mus musculus

<400> 2485

Met	Lys	Asn	Lys	Thr	Ser	Leu	Thr	Glu	Phe	Ile	Leu	Leu	Gly	Leu	Thr
1				5					10					15	
Asp	Val	Pro	Glu	Leu	Gln	Val	Ala	Val	Phe	Thr	Phe	Leu	Leu	Leu	Ala
			20					25					30		
Tyr	Val	Phe	Ser	Met	Ile	Gly	Asn	Leu	Thr	Ile	Leu	Val	Leu	Thr	Leu
		35				40						45			
Leu	Asp	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Arg	Asn	Phe

50		55		60
Ser Phe Leu Glu Ile	Ser Phe Thr Asn Ile	Phe Ile Pro Arg Val Leu		
65	70	75	80	
Val Ser Ile Thr Thr	Gly Asn Lys Ser Ile	Ser Phe Ala Gly Cys Phe		
	85	90	95	
Ala Gln Tyr Phe Phe	Ala Ile Phe Leu Gly	Ala Thr Glu Phe Tyr Leu		
	100	105	110	
Leu Ala Ala Met Ser	Tyr Asp Arg Tyr Val	Ala Ile Cys Lys Pro Leu		
	115	120	125	
His Tyr Met Ala Ile	Met Ser Asn Arg Val	Cys Thr His Leu Val Leu		
	130	135	140	
Cys Ser Trp Leu Gly	Gly Leu Met Ala Ile	Ile Pro Pro Ile Thr Leu		
145	150	155	160	
Met Ser Gln Gln Asn	Phe Cys Ala Ser Asn	Arg Leu Asn His Tyr Phe		
	165	170	175	
Cys Asp Phe Glu Pro	Leu Leu Glu Leu Ser	Cys Ser Asp Thr Ser Leu		
	180	185	190	
Ile Glu Lys Val Val	Phe Leu Val Ala Ser	Val Thr Leu Val Val Thr		
	195	200	205	
Leu Met Leu Val Thr	Leu Ser Tyr Thr Phe	Ile Ile Lys Thr Ile Leu		
	210	215	220	
Lys Leu Pro Ser Ala	Gln Gln Arg Thr Lys	Ala Phe Ser Thr Cys Ser		
225	230	235	240	
Ser His Met Ile Val	Ile Ser Leu Ser Tyr	Gly Ser Cys Phe Phe Met		
	245	250	255	
Tyr Val Lys Pro Ser	Ala Lys Val Gly Gly	Thr Phe Asp Lys Gly Val		
	260	265	270	
Ala Leu Leu Ile Thr	Ser Val Ala Pro Leu	Leu Leu Asn Pro Phe Ile Tyr		
	275	280	285	
Thr Leu Arg Asn Gln	Gln Val Lys Gln Ala	Phe Lys Asp Thr Val Lys		
	290	295	300	
Lys Leu Val Asn Leu				
305				

<210> 2486

<211> 321

<212> PRT

<213> Mus musculus

<400> 2486

Met Asn Glu Arg Asn	Tyr Ser His Val Thr	Glu Phe Val Leu Leu Gly
1	5	10
Leu Ser Ser Ser Lys	Glu Leu Gln Pro Phe	Leu Phe Leu Ile Phe Ser
	20	25
Leu Leu Tyr Leu Ala	Ile Leu Leu Gly Asn	Phe Leu Ile Ile Leu Thr
	35	40
Val Thr Ser Asp Pro	Arg Leu His Thr Pro	Met Tyr Phe Leu Leu Ala
	50	55
Asn Leu Ser Phe Ile	Asp Met Cys Val Ala	Ser Phe Ala Thr Pro Lys
65	70	75
Met Leu Ala Asp Phe	Leu Val Glu Arg Lys	Thr Ile Ser Phe Lys Ala
	85	90
Cys Leu Ala Gln Ile	Phe Cys Ile His Leu	Phe Gly Gly Gly Glu Met
	100	105
Val Leu Leu Val Ser	Met Ala Tyr Asp Arg	Tyr Val Ala Ile Cys Lys
	115	120
Pro Leu His Tyr Met	Thr Ile Met Ser Arg	Arg Val Cys Ile Thr Leu
	130	135
		140

Val	Ile	Met	Pro	Trp	Phe	Val	Gly	Phe	Ile	His	Thr	Thr	Ser	Gln	Leu
145					150					155					160
Ala	Phe	Thr	Val	Asn	Leu	Pro	Phe	Cys	Gly	Pro	Asn	Gln	Val	Asp	Ser
				165					170					175	
Phe	Phe	Cys	Asp	Leu	Pro	Leu	Val	Thr	Lys	Leu	Ala	Cys	Thr	Asp	Thr
			180						185				190		
Tyr	Phe	Val	Ser	Leu	Leu	Ile	Val	Ala	Asp	Ser	Gly	Val	Leu	Thr	Leu
		195					200					205			
Ser	Thr	Phe	Val	Phe	Leu	Val	Ile	Ser	Tyr	Thr	Val	Val	Leu	Ile	Thr
	210					215					220				
Val	Arg	Asn	Arg	Ser	Ser	Ala	Ser	Met	Ala	Lys	Ala	Arg	Ser	Thr	Leu
225					230					235					240
Thr	Ala	His	Ile	Ile	Val	Val	Val	Leu	Phe	Gly	Pro	Cys	Ile	Phe	
				245					250				255		
Val	Tyr	Ala	Cys	Pro	Leu	Asn	Gly	Ser	Val	Asp	Lys	Val	Leu	Ala	
			260					265				270			
Val	Phe	Tyr	Thr	Ile	Phe	Thr	Pro	Ile	Leu	Asn	Pro	Leu	Ile	Tyr	Thr
		275					280					285			
Leu	Arg	Asn	Lys	Asp	Met	Lys	Ala	Ala	Met	Ser	Lys	Leu	Arg	Gly	Gln
	290					295					300				
Tyr	Met	Lys	Pro	Arg	Gln	Val	Phe	Glu	Leu	Val	Arg	Asn	Val	Leu	Phe
305					310					315					320
Leu															

<210> 2487

<211> 321

<212> PRT

<213> Mus musculus

<400> 2487

Met	Asn	Glu	Arg	Asn	Tyr	Ser	Arg	Val	Thr	Glu	Phe	Val	Leu	Leu	Gly
1				5					10					15	
Leu	Ser	Ser	Ser	Lys	Glu	Leu	Gln	Pro	Phe	Leu	Phe	Leu	Ile	Phe	Ser
			20				25						30		
Leu	Leu	Tyr	Leu	Ala	Ile	Leu	Leu	Gly	Asn	Phe	Leu	Ile	Ile	Leu	Thr
		35					40					45			
Val	Thr	Ser	Asp	Pro	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Leu	Leu	Ala
	50					55				60					
Asn	Leu	Ser	Phe	Ile	Asp	Met	Cys	Val	Ala	Ser	Phe	Ala	Thr	Pro	Lys
65				70					75						80
Met	Leu	Ala	Asp	Phe	Leu	Val	Glu	Arg	Lys	Thr	Ile	Ser	Phe	Glu	Ala
				85					90					95	
Cys	Leu	Ala	Gln	Ile	Phe	Cys	Val	His	Gln	Phe	Ala	Gly	Gly	Glu	Met
			100					105					110		
Val	Leu	Leu	Val	Ser	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys
		115					120					125			
Pro	Leu	His	Tyr	Met	Thr	Ile	Met	Ser	Arg	Arg	Val	Cys	Ile	Thr	Leu
	130					135					140				
Val	Ile	Ile	Pro	Trp	Phe	Val	Gly	Phe	Ile	His	Thr	Met	Ser	Gln	Leu
145					150					155					160
Ala	Phe	Thr	Val	Asn	Leu	Pro	Phe	Cys	Gly	Pro	Asn	Gln	Val	Asp	Ser
				165					170					175	
Phe	Phe	Cys	Asp	Leu	Pro	Leu	Val	Thr	Lys	Leu	Ala	Cys	Thr	Asp	Thr
			180						185				190		
Tyr	Phe	Val	Ser	Leu	Leu	Ile	Val	Ala	Asp	Ser	Gly	Val	Leu	Thr	Leu
		195					200					205			
Ser	Thr	Phe	Val	Phe	Leu	Val	Ile	Ser	Tyr	Thr	Val	Ile	Leu	Ile	Thr

210		215		220
Val Arg Asn Arg Ser Ser	Ala Ser Met Ala Lys	Ala Arg Ser Thr Leu		
225		230	235	240
Thr Ala His Ile Thr	Val Val Val Leu Phe Phe	Gly Pro Cys Ile Phe		
	245	250	255	
Ile Tyr Ala Trp Pro	Phe Asn Gly Tyr Ser	Val Asp Lys Val Leu Ala		
	260	265	270	
Val Phe Tyr Thr Ile	Phe Thr Pro Ile Leu Asn	Pro Leu Ile Tyr Thr		
	275	280	285	
Leu Arg Asn Lys Glu	Val Lys Ala Ala Met Ser	Lys Leu Arg Gly Arg		
	290	295	300	
Tyr Leu Lys Pro Gly	Gln Val Ser Glu Leu Ile	Arg Asn Val Leu Phe		
305	310	315	320	
Met				

<210> 2488
 <211> 316
 <212> PRT
 <213> Mus musculus

<400> 2488

Met Asp Arg Gly Asn Thr Thr	Ala Gly Phe Val Leu Leu Gly	Leu Phe
1	5	10
Asn His Thr Arg Ala His	Leu Phe Leu Phe Val Leu Val	Leu Thr Val
	20	25
Ala Phe Asn Ser Val Val	Gly Asn Ala Leu Leu Leu Leu	Ile His
	35	40
Gln Asp Arg Arg Leu His	Thr Pro Met Tyr Phe Leu Leu	Ser Gln Leu
	50	55
Ser Leu Met Asp Met Met	Leu Val Ser Thr Val Val	Pro Gln Met Ala
	65	70
Ala Gly Tyr Leu Met Gly	Lys Lys Phe Ile Ser Ala Ala	Gly Cys Gly
	85	90
Phe Gln Ile Phe Phe Phe	Leu Thr Leu Gly Gly Gly	Glu Cys Phe Leu
	100	105
Leu Ala Ala Met Ser Tyr	Asp Arg Tyr Val Ala Ile	Cys His Pro Leu
	115	120
Arg Tyr Pro Val Leu Met	Ser Trp Gln Leu Cys Leu Arg	Leu Thr Val
	130	135
Ala Ser Trp Leu Leu Gly	Ala Ala Asp Gly Ala Met	Gln Ala Ala Ala
	145	150
Thr Leu Ser Phe Gln Phe	Cys Ser Arg Asn Glu Ile Asp	His Phe Phe
	165	170
Cys Glu Ala Pro Val Leu	Leu Arg Leu Ala Cys Gly Asp	Thr Ser Ala
	180	185
Phe Glu Phe Phe Met Tyr	Ile Cys Cys Val Leu Met	Leu Leu Ile Pro
	195	200
Phe Ser Leu Ile Leu Met	Ser Tyr Gly Leu Ile Leu	Ala Ala Val Leu
	210	215
Arg Met Arg Ser Thr Glu	Ala Arg Lys Lys Ala Phe	Ala Thr Cys Ser
	225	230
Ser His Leu Ala Val Val	Gly Leu Phe Tyr Gly Ala	Ala Thr Phe Ser
	245	250
Tyr Met Arg Pro Thr Ser	Ser Arg Ser Ala Asn His	Asp Lys Val Val
	260	265
Ser Ala Phe Tyr Thr Ile	Val Thr Pro Met Leu Asn	Pro Leu Ile Tyr
	275	280

Ser	Leu	Arg	Asn	Ser	Glu	Val	Lys	Gly	Ser	Leu	Arg	Lys	Cys	Val	Thr
	290					295					300				
Arg	Cys	Ala	Ala	Leu	Thr	Ser	Lys	Asp	Ala	Leu	Ala				
305					310					315					

<210> 2489
 <211> 315
 <212> PRT
 <213> Mus musculus

<400> 2489

Met	Gln	Asp	Phe	Leu	Trp	Arg	Asn	Arg	Ser	Ser	Leu	Thr	Glu	Phe	Val
1				5					10					15	
Leu	Leu	Gly	Phe	Ser	Ser	Asn	Thr	Gln	Ile	Asn	Gly	Ile	Leu	Phe	Gly
			20					25					30		
Ile	Phe	Leu	Leu	Leu	Tyr	Leu	Thr	Thr	Leu	Leu	Gly	Asn	Gly	Leu	Ile
		35					40					45			
Ile	Thr	Leu	Ile	His	Met	Asp	Ser	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe
	50					55					60				
Phe	Leu	Ser	Val	Leu	Ser	Ile	Leu	Asp	Met	Gly	Tyr	Val	Thr	Thr	Thr
65					70					75					80
Val	Pro	Gln	Met	Leu	Val	His	Leu	Val	Cys	Lys	Lys	Lys	Thr	Ile	Ser
				85					90					95	
Tyr	Val	Gly	Cys	Val	Ala	Gln	Met	Tyr	Ile	Phe	Leu	Met	Leu	Gly	Ile
			100					105					110		
Thr	Glu	Ser	Trp	Leu	Phe	Ala	Ile	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala
		115					120					125			
Ile	Cys	His	Pro	Leu	Arg	Tyr	Lys	Val	Ile	Met	Ser	Pro	Leu	Leu	Arg
	130					135					140				
Gly	Ser	Leu	Val	Ala	Phe	Cys	Gly	Phe	Trp	Gly	Ile	Thr	Cys	Ala	Leu
145					150					155					160
Ile	Tyr	Thr	Val	Ser	Ala	Met	Ile	Leu	Pro	Tyr	Cys	Gly	Pro	Asn	Glu
				165					170					175	
Ile	Asn	His	Phe	Phe	Cys	Glu	Val	Pro	Ala	Val	Leu	Lys	Leu	Ala	Cys
			180						185				190		
Ala	Asp	Thr	Ser	Leu	Asn	Asp	Gln	Val	Asp	Phe	Ile	Leu	Gly	Phe	Ile
		195					200					205			
Leu	Leu	Leu	Val	Pro	Leu	Ser	Leu	Ile	Ile	Val	Val	Tyr	Ile	Asn	Ile
		210				215						220			
Phe	Ala	Ala	Ile	Leu	Arg	Ile	Arg	Ser	Thr	Gln	Gly	Arg	Ile	Lys	Ala
225					230					235					240
Phe	Ser	Thr	Cys	Val	Ser	His	Ile	Thr	Val	Val	Thr	Met	Phe	Ser	Ile
				245					250					255	
Pro	Cys	Met	Val	Met	Tyr	Met	Arg	Pro	Gly	Ser	Glu	Ser	Ser	Pro	Glu
			260					265					270		
Glu	Asp	Lys	Lys	Leu	Ala	Leu	Phe	Tyr	Asn	Val	Ile	Ser	Ala	Phe	Leu
		275					280					285			
Asn	Pro	Ile	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Arg	Ala	Phe
	290					295					300				
Leu	Lys	Val	Val	Gly	Ser	Arg	Lys	Gly	Ser	Glu					
305					310					315					

<210> 2490
 <211> 312
 <212> PRT
 <213> Mus musculus

<400> 2490

Met	Thr	Arg	Asn	Phe	Thr	Ser	Val	Thr	Glu	Phe	Ile	Leu	Leu	Gly	Leu
1			5						10					15	
Thr	Ser	His	Val	Glu	Leu	Gln	Ile	Leu	Phe	Phe	Val	Leu	Phe	Leu	Val
			20					25					30		
Val	Tyr	Val	Val	Thr	Val	Ala	Gly	Asn	Leu	Gly	Met	Ile	Leu	Leu	Ile
		35					40					45			
Lys	Ala	Asn	Ala	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser	His
	50					55					60				
Leu	Ser	Phe	Val	Asp	Met	Cys	Phe	Ser	Ser	Asn	Val	Thr	Pro	Lys	Met
65					70					75					80
Leu	Gln	Ile	Phe	Leu	Ser	Glu	Arg	Lys	Thr	Ile	Ser	Tyr	Ser	Ala	Cys
			85						90					95	
Leu	Val	Gln	Cys	Tyr	Leu	Phe	Ile	Ala	Leu	Val	His	Val	Glu	Phe	Tyr
		100						105					110		
Ile	Leu	Ala	Leu	Met	Ala	Phe	Asp	Arg	Tyr	Met	Ala	Ile	Cys	Asn	Pro
		115					120					125			
Leu	Leu	Tyr	Gly	Ser	Lys	Met	Ser	Gln	Ser	Val	Cys	Thr	Ser	Leu	Ile
	130					135					140				
Thr	Val	Pro	Tyr	Val	Tyr	Gly	Ala	Leu	Thr	Gly	Leu	Met	Glu	Thr	Met
145					150					155					160
Trp	Thr	Tyr	Asn	Leu	Ala	Phe	Cys	Gly	His	Asn	Glu	Ile	Asn	His	Phe
			165						170					175	
Tyr	Cys	Ala	Asp	Pro	Pro	Leu	Ile	Lys	Leu	Ala	Cys	Ser	Asp	Thr	Tyr
			180					185					190		
His	Lys	Glu	Thr	Ser	Met	Leu	Val	Val	Ala	Gly	Phe	Asn	Leu	Ser	Phe
		195					200					205			
Ser	Leu	Leu	Ile	Ile	Leu	Thr	Ser	Tyr	Leu	Tyr	Ile	Phe	Pro	Ala	Ile
	210					215					220				
Leu	Arg	Ile	Ser	Ser	Thr	Glu	Gly	Lys	Arg	Lys	Ala	Phe	Ser	Thr	Cys
225					230					235					240
Gly	Ser	His	Leu	Thr	Ala	Val	Ile	Ile	Phe	Tyr	Ala	Thr	Leu	Phe	Phe
			245						250					255	
Met	Tyr	Leu	Arg	Pro	Thr	Ser	Arg	Glu	Ser	Val	Glu	Gln	Gly	Lys	Met
			260					265					270		
Val	Ala	Val	Phe	Tyr	Thr	Thr	Val	Ile	Pro	Met	Leu	Asn	Pro	Met	Ile
		275					280					285			
Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Glu	Ala	Ile	Ser	Lys	Glu	Leu
	290					295					300				
Ser	His	Lys	Lys	Met	Tyr	Phe	Ser								
305					310										

<210> 2491

<211> 297

<212> PRT

<213> Mus musculus

<400> 2491

Leu	Leu	Gly	Phe	Thr	Ser	Asp	Pro	Thr	Thr	Gln	Leu	Val	Leu	Phe	Val
1			5						10					15	
Met	Phe	Leu	Ile	Met	Tyr	Thr	Leu	Ser	Val	Leu	Gly	Asn	Ile	Thr	Leu
			20					25					30		
Ile	Val	Leu	Ile	Cys	Asn	Asp	Ser	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe
		35				40						45			
Phe	Ile	Gly	Asn	Leu	Ser	Phe	Leu	Asp	Leu	Trp	Leu	Ser	Asn	Val	Tyr
	50					55				60					
Thr	Pro	Lys	Ile	Leu	Ala	Ile	Cys	Ile	Ser	Glu	Asn	Lys	Ser	Ile	Ser
65					70					75					80

Phe	Ala	Ser	Cys	Val	Ala	Gln	Phe	Phe	Phe	Ser	Ala	Gly	Leu	Asp	Tyr	
				85					90					95		
Ser	Glu	Cys	Tyr	Leu	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	
			100					105					110			
Ile	Ser	Lys	Pro	Leu	Ile	Tyr	Ser	Gln	Ala	Ile	Ser	Met	Lys	Leu	Cys	
		115					120					125				
Ala	Phe	Phe	Val	Ala	Ala	Ser	Tyr	Met	Gly	Gly	Phe	Ile	Asn	Ser	Ser	
	130					135					140					
Ile	Ile	Thr	Lys	Lys	Thr	Phe	Thr	Phe	Asp	Phe	Cys	Asn	Asp	Asn	Val	
145					150				155						160	
Ile	Asp	Asp	Phe	Phe	Cys	Asp	Leu	Leu	Pro	Leu	Val	Asn	Leu	Ala	Cys	
				165					170					175		
Gly	Gly	Lys	Glu	Gly	Tyr	Gln	Ala	Leu	Met	Tyr	Phe	Leu	Leu	Thr	Ser	
			180					185					190			
Asn	Val	Met	Ile	Pro	Ile	Ala	Leu	Ile	Leu	Ala	Ser	Tyr	Ile	Phe	Ile	
		195					200					205				
Ile	Ala	Thr	Ile	Leu	Arg	Ile	Arg	Ser	Thr	Gln	Gly	Arg	Met	Lys	Ala	
	210					215					220					
Phe	Ser	Thr	Cys	Ser	Ser	His	Leu	Ile	Ser	Val	Thr	Leu	Tyr	Tyr	Gly	
225					230					235					240	
Ser	Ile	Leu	Tyr	Ile	Tyr	Ser	Arg	Pro	Arg	Thr	Arg	Tyr	Ser	Leu	Asp	
				245					250					255		
Ser	Asp	Lys	Val	Val	Ser	Thr	Phe	Tyr	Thr	Val	Val	Phe	Pro	Met	Leu	
			260					265					270			
Asn	Pro	Phe	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Glu	Ala	Met	
		275					280					285				
Asn	Lys	Leu	Phe	Lys	Ile	Ile	Pro	Leu								
	290					295										

<210> 2492

<211> 314

<212> PRT

<213> Mus musculus

<400> 2492

Met	Gly	Pro	Ala	Asn	Lys	Ser	Gln	Leu	Ser	Pro	Ser	Thr	Phe	Trp	Leu	
1				5					10					15		
Met	Gly	Ile	Pro	Gly	Leu	Glu	His	Leu	His	Val	Trp	Ile	Gly	Ile	Pro	
			20					25					30			
Phe	Cys	Ser	Met	Tyr	Met	Val	Ala	Leu	Met	Gly	Asn	Val	Thr	Ile	Leu	
		35					40					45				
Ala	Val	Val	Arg	Ala	Glu	Arg	Thr	Leu	His	Glu	Pro	Met	Phe	Leu	Phe	
	50					55				60						
Leu	Cys	Met	Leu	Ser	Val	Thr	Asp	Leu	Val	Leu	Ser	Thr	Ser	Thr	Leu	
65				70					75						80	
Pro	Arg	Met	Leu	Cys	Leu	Phe	Trp	Met	Ala	Ala	His	Asp	Ile	Thr	Phe	
				85					90					95		
Asp	Ala	Cys	Leu	Ala	Gln	Met	Phe	Phe	Ile	His	Ser	Phe	Thr	Ala	Met	
		100						105					110			
Glu	Ser	Gly	Phe	Phe	Leu	Ala	Met	Ala	Ile	Asp	Arg	Tyr	Val	Ala	Ile	
		115					120					125				
Cys	Asp	Pro	Leu	Arg	His	Ala	Thr	Ile	Leu	Thr	His	Ser	Arg	Ile	Ala	
	130					135					140					
Val	Met	Gly	Ala	Val	Val	Val	Leu	Arg	Gly	Val	Gly	Phe	Phe	Ser	Pro	
145					150					155					160	
His	Pro	Ile	Leu	Leu	Lys	Gln	Leu	Pro	Tyr	Cys	Arg	Thr	Arg	Ile	Ile	
				165					170					175		
Ala	His	Thr	Tyr	Cys	Glu	Phe	Met	Ala	Val	Val	Lys	Leu	Ala	Cys	Leu	

Ser	Ser	Leu	Phe	Tyr	Thr	Ile	Val	Val	Pro	Met	Leu	Asn	Pro	Leu	Ile
		275					280					285			
Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Val	Ala	Leu	Arg	Lys	Thr	Leu
	290					295					300				
Ser	Arg	Ser	Ser	Phe	Ser										
305					310										

<210> 2494
 <211> 314
 <212> PRT
 <213> Mus musculus

<400> 2494

Met	Phe	Gln	Ile	Leu	Arg	Asp	Ser	Ser	Ser	Ser	Arg	Phe	Gln	Val	Ser
1				5					10					15	
Glu	Phe	Ile	Leu	Met	Gly	Phe	Pro	Gly	Ile	His	Ser	Trp	Gln	His	Trp
			20					25					30		
Leu	Ser	Leu	Pro	Leu	Ala	Leu	Leu	Tyr	Val	Leu	Ala	Leu	Ile	Ala	Asn
		35				40						45			
Ile	Leu	Ile	Val	Thr	Phe	Ile	Tyr	Gln	Glu	Ala	Ser	Leu	His	Gln	Pro
	50					55					60				
Met	Tyr	His	Phe	Leu	Gly	Ile	Leu	Ala	Ile	Val	Asp	Met	Gly	Leu	Ala
65					70					75					80
Thr	Thr	Ile	Met	Pro	Lys	Ile	Leu	Ala	Ile	Leu	Trp	Phe	Asn	Ala	Lys
			85						90					95	
Ala	Ile	Ser	Phe	Asn	Glu	Cys	Phe	Ala	Gln	Met	Tyr	Ala	Ile	His	Cys
			100					105					110		
Phe	Val	Ala	Met	Glu	Ser	Asp	Ile	Phe	Val	Cys	Met	Ala	Ile	Asp	Arg
		115					120					125			
Tyr	Val	Ala	Ile	Arg	Arg	Pro	Leu	Arg	Tyr	Ser	Ser	Ile	Val	Thr	Glu
	130					135					140				
Ser	Phe	Val	Val	Lys	Ala	Thr	Val	Ile	Met	Ala	Phe	Arg	Asn	Phe	Val
145					150					155					160
Ala	Pro	Met	Ser	Val	Pro	Val	Leu	Ala	Ala	Gln	Arg	Asn	Tyr	Cys	Ser
				165					170					175	
Arg	Asn	Gln	Ile	Asn	His	Cys	Phe	Cys	Pro	Asn	Pro	Gly	Val	Thr	Ser
			180					185					190		
Leu	Ala	Cys	Asp	Asp	Arg	Lys	Ile	Asp	Ser	Ile	Asn	Gln	Leu	Phe	Leu
		195					200					205			
Ala	Trp	Ala	Val	Met	Gly	Ser	Asp	Leu	Gly	Leu	Ile	Ile	Val	Ser	Tyr
	210					215					220				
Ala	Leu	Ile	Leu	Pro	Ser	Val	Leu	Arg	Leu	Asn	Ser	Pro	Lys	Ala	Ala
225						230				235					240
Ser	Gln	Thr	Leu	Ser	Thr	Cys	Thr	Ser	His	Leu	Ile	Leu	Ile	Phe	Phe
				245					250					255	
Phe	Tyr	Thr	Val	Ile	Ile	Val	Met	Pro	Ile	Thr	His	Ser	Ala	Lys	Met
			260					265					270		
Thr	Val	Pro	Val	Ile	Leu	Leu	Leu	Leu	Asn	Val	Pro	His	Asn	Val	Ile
		275					280					285			
Pro	Pro	Ala	Leu	Asn	Pro	Met	Val	Tyr	Ala	Leu	Lys	Asn	Lys	Glu	Leu
	290					295					300				
Lys	Glu	Gly	Phe	Tyr	Leu	Cys	Ser	Gly	Trp						
305					310										

<210> 2495
 <211> 319
 <212> PRT

<213> Mus musculus

<400> 2495

Met	Ser	Ala	Ser	Leu	Lys	Ala	Phe	Asn	Ser	Ser	Lys	Ser	Gln	Val	Ser
1				5					10					15	
Glu	Phe	Ile	Leu	Gly	Phe	Pro	Gly	Ile	His	Ser	Trp	Gln	His	Trp	
			20				25					30			
Leu	Ser	Leu	Pro	Phe	Thr	Leu	Leu	Tyr	Leu	Ser	Ala	Ile	Gly	Thr	Asn
		35					40					45			
Val	Leu	Ile	Leu	Ile	Ile	Ile	Cys	Gln	Asp	Pro	Ser	Leu	Lys	Gln	Pro
		50				55					60				
Met	Tyr	Leu	Phe	Leu	Gly	Ile	Leu	Ser	Val	Val	Asp	Met	Gly	Leu	Ala
65					70					75					80
Thr	Thr	Ile	Met	Pro	Lys	Ile	Leu	Ala	Ile	Phe	Trp	Phe	Asp	Ala	Lys
				85					90					95	
Val	Ile	Ser	Leu	Pro	Glu	Cys	Phe	Ala	Gln	Ile	Tyr	Ala	Ile	His	Cys
			100					105					110		
Phe	Val	Gly	Met	Glu	Ser	Gly	Ile	Phe	Leu	Cys	Met	Ala	Phe	Asp	Arg
		115					120					125			
Tyr	Val	Ala	Ile	Cys	Tyr	Pro	Leu	Arg	Tyr	Ser	Ser	Ile	Ile	Thr	Asn
		130				135					140				
Ser	Leu	Ile	Leu	Lys	Ala	Thr	Leu	Phe	Met	Val	Leu	Arg	Asn	Gly	Leu
145					150					155					160
Cys	Val	Ile	Pro	Val	Pro	Val	Leu	Ala	Ala	Gln	Arg	Asn	Tyr	Cys	Ser
				165					170					175	
Arg	Asn	Glu	Ile	Asp	His	Cys	Leu	Cys	Ser	Asn	Leu	Gly	Val	Thr	Ser
			180					185					190		
Leu	Ala	Cys	Asp	Asp	Arg	Arg	Pro	Asn	Ser	Ile	Cys	Gln	Leu	Ile	Leu
		195					200					205			
Ala	Trp	Val	Gly	Met	Gly	Ser	Asp	Leu	Gly	Leu	Ile	Ile	Leu	Ser	Tyr
		210				215					220				
Thr	Leu	Ile	Leu	Arg	Ser	Val	Leu	Arg	Leu	Asn	Ser	Ala	Glu	Ala	Val
225					230					235					240
Ser	Lys	Ala	Leu	Asn	Thr	Cys	Ser	Ser	His	Leu	Ile	Leu	Ile	Leu	Phe
				245					250					255	
Phe	Tyr	Thr	Val	Val	Val	Val	Ile	Ser	Val	Thr	His	Leu	Ser	Glu	Thr
			260					265					270		
Lys	Ala	Thr	Leu	Ile	Pro	Val	Leu	Leu	Asn	Val	Met	His	Asn	Ile	Thr
		275					280					285			
Pro	Pro	Ser	Leu	Asn	Pro	Ile	Val	Tyr	Ala	Leu	Arg	Thr	Arg	Gln	Leu
		290				295					300				
Arg	Gln	Gly	Phe	Gln	Lys	Val	Leu	Cys	Arg	Ser	Leu	Gln	Glu	Lys	
305					310					315					

<210> 2496

<211> 314

<212> PRT

<213> Mus musculus

<400> 2496

Met	Ala	Phe	Leu	Glu	Asp	Gly	Asn	His	Thr	Val	Val	Thr	Glu	Phe	Ile
1				5					10					15	
Leu	Leu	Gly	Leu	Thr	Asp	Asp	Pro	Val	Leu	Arg	Val	Ile	Leu	Phe	Ile
			20					25					30		
Ile	Ile	Leu	Cys	Ile	Tyr	Leu	Val	Thr	Val	Ser	Gly	Asn	Leu	Ser	Thr
		35					40					45			
Ile	Leu	Leu	Ile	Arg	Val	Ser	Ser	Gln	Leu	His	His	Pro	Met	Tyr	Phe
		50				55					60				

Phe	Leu	Ser	His	Leu	Ala	Ser	Ile	Asp	Ile	Ala	Ile	Ser	Ser	Ser	Val
65					70					75					80
Thr	Pro	Asn	Met	Val	Val	Asn	Phe	Leu	Val	Glu	Arg	Ser	Ser	Ile	Ser
				85					90					95	
Tyr	Ile	Gly	Cys	Gly	Ile	Gln	Leu	Gly	Ser	Ala	Val	Phe	Phe	Gly	Ala
			100					105					110		
Ile	Glu	Cys	Phe	Leu	Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg	Phe	Val	Ala
		115					120					125			
Ile	Cys	Asn	Pro	Leu	Leu	Tyr	Ser	Thr	Lys	Met	Ser	Lys	Gln	Val	Cys
	130					135					140				
Ile	Gln	Leu	Leu	Val	Gly	Ser	Tyr	Ile	Gly	Gly	Phe	Ile	His	Ala	Ser
145					150					155					160
Phe	Phe	Thr	Leu	Ser	Phe	Val	Ser	Phe	Leu	Phe	Cys	Gly	Pro	Asn	Arg
				165					170					175	
Ile	Asn	His	Phe	Phe	Cys	Asp	Phe	Thr	Pro	Leu	Val	Glu	Leu	Ser	Cys
			180					185					190		
Ser	Asp	Asn	Ser	Val	Leu	Ile	Ile	Leu	Asp	Ser	Phe	Ser	Thr	Gly	Thr
		195					200					205			
Ile	Ile	Val	Ile	Thr	Val	Phe	Val	Ile	Ala	Ile	Ser	Tyr	Thr	Cys	Ile
	210					215					220				
Leu	Ile	Thr	Ile	Leu	Lys	Met	His	Ser	Thr	Glu	Gly	Arg	His	Lys	Ala
225					230					235					240
Phe	Ser	Thr	Cys	Thr	Ser	His	Leu	Thr	Val	Val	Thr	Leu	Leu	Tyr	Gly
				245					250					255	
Thr	Val	Thr	Phe	Ile	Tyr	Val	Met	Pro	Lys	Ser	Ser	Tyr	Ser	Thr	Asp
			260					265					270		
Gln	Asn	Lys	Val	Ile	Ser	Val	Phe	Tyr	Met	Val	Val	Ile	Pro	Met	Leu
		275					280					285			
Asn	Pro	Ile	Ile	Tyr	Ser	Leu	Arg	Asn	Asn	Glu	Ile	Lys	Gly	Ala	Leu
	290					295					300				
Lys	Lys	Gln	Leu	Gly	Glu	Lys	Asn	Ile	Phe						
305					310										

<210> 2497

<211> 314

<212> PRT

<213> Mus musculus

<400> 2497

Met	Ala	Phe	Leu	His	Asn	Gly	Asn	His	Thr	Ala	Val	Thr	Glu	Phe	Ile
1				5					10					15	
Leu	Leu	Gly	Leu	Thr	Asp	Asp	Pro	Val	Phe	Arg	Val	Ile	Leu	Phe	Thr
			20				25					30			
Ile	Ile	Leu	Cys	Ile	Tyr	Leu	Val	Thr	Val	Ser	Gly	Asn	Leu	Ser	Thr
		35				40						45			
Ile	Leu	Leu	Ile	Arg	Val	Ser	Ser	Gln	Leu	His	His	Pro	Met	Tyr	Phe
	50					55				60					
Phe	Leu	Ser	His	Leu	Ala	Ser	Val	Asp	Ile	Gly	Tyr	Ser	Ser	Ser	Val
65					70					75					80
Thr	Pro	Asn	Met	Leu	Ala	Asn	Phe	Leu	Val	Glu	Lys	Asn	Thr	Ile	Ser
				85					90					95	
Tyr	Leu	Gly	Cys	Thr	Ile	Gln	Leu	Ser	Leu	Ala	Ala	Phe	Cys	Gly	Thr
			100					105					110		
Val	Glu	Cys	Phe	Leu	Leu	Ala	Thr	Met	Ala	Tyr	Asp	Arg	Phe	Met	Ala
		115					120					125			
Ile	Cys	Ser	Pro	Leu	Leu	Tyr	Ser	Thr	Lys	Met	Ser	Thr	Gln	Val	Cys
	130					135					140				
Ile	Gln	Leu	Ile	Val	Gly	Ser	Tyr	Ile	Gly	Gly	Phe	Leu	Asn	Ala	Ser

145					150					155				160	
Ser	Phe	Thr	Leu	Phe	Phe	Leu	Ser	Phe	Leu	Phe	Cys	Gly	Pro	Asn	Arg
				165					170					175	
Ile	Asn	His	Phe	Tyr	Cys	Asp	Phe	Ala	Pro	Leu	Val	Ala	Leu	Ser	Cys
			180					185					190		
Ser	Asp	Val	Ser	Val	Ser	Glu	Val	Val	Thr	Ser	Phe	Phe	Ser	Gly	Ser
		195					200					205			
Val	Thr	Met	Ile	Thr	Met	Leu	Val	Ile	Ala	Ile	Ser	Tyr	Thr	Tyr	Ile
	210					215					220				
Leu	Ile	Thr	Ile	Leu	Lys	Met	Arg	Ser	Thr	Glu	Gly	Arg	His	Lys	Ala
225					230					235				240	
Phe	Ser	Thr	Cys	Thr	Ser	His	Leu	Thr	Ala	Val	Thr	Leu	Phe	Tyr	Gly
				245					250					255	
Thr	Ile	Thr	Phe	Ile	Tyr	Val	Met	Pro	Lys	Ser	Ser	Phe	Ser	Thr	Asp
			260					265					270		
Gln	Asn	Lys	Val	Val	Ser	Val	Phe	Tyr	Met	Val	Val	Ile	Pro	Met	Leu
		275					280					285			
Asn	Pro	Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Asn	Glu	Ile	Lys	Asp	Ala	Leu
	290					295				300					
Lys	Arg	His	Leu	Gly	Lys	Lys	Ile	Phe	Ser						
305					310										

<210> 2498
 <211> 308
 <212> PRT
 <213> Mus musculus

<400> 2498

Met	Arg	Asn	Ile	Thr	Glu	Ala	Thr	Phe	Phe	Val	Leu	Lys	Gly	Leu	Thr
1				5					10					15	
Asp	Asn	Asn	Glu	Leu	Gln	Ile	Ile	Leu	Phe	Leu	Leu	Phe	Leu	Ala	Ile
			20					25					30		
Tyr	Ile	Phe	Thr	Leu	Ile	Gly	Asn	Val	Gly	Leu	Ile	Ile	Leu	Val	Val
		35				40						45			
Gly	Asp	Ser	Gln	Leu	His	Asn	Pro	Met	Tyr	Cys	Phe	Leu	Ser	Val	Leu
	50					55				60					
Ser	Ser	Val	Asp	Ala	Cys	Tyr	Ser	Thr	Asp	Ile	Thr	Pro	Asn	Met	Leu
65					70					75				80	
Val	Gly	Phe	Met	Ser	Lys	Ser	Lys	Ile	Ile	Ser	Phe	Tyr	Gly	Cys	Ala
			85					90					95		
Thr	Gln	Met	Phe	Leu	Ala	Val	Thr	Phe	Gly	Thr	Thr	Glu	Cys	Phe	Leu
			100					105					110		
Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	His	Asp	Pro	Leu
	115					120						125			
Leu	Tyr	Ala	Val	Ser	Met	Ser	Pro	Arg	Val	Tyr	Ile	Pro	Leu	Ile	Ile
	130					135					140				
Ala	Ser	Tyr	Ala	Gly	Gly	Ile	Val	His	Ala	Ile	Ile	His	Thr	Val	Ala
145					150				155					160	
Thr	Phe	Ser	Leu	Ser	Phe	Cys	Arg	Ser	Asn	Glu	Val	Lys	His	Ile	Phe
			165					170						175	
Cys	Asp	Ile	Pro	Pro	Leu	Leu	Ala	Ile	Ser	Cys	Ser	Glu	Thr	Tyr	Val
			180				185					190			
Asn	Glu	Leu	Leu	Leu	Phe	Phe	Phe	Val	Ser	Phe	Ile	Glu	Leu	Val	Thr
	195						200					205			
Ile	Leu	Ile	Val	Leu	Val	Ser	Tyr	Ala	Phe	Ile	Leu	Leu	Ser	Ile	Leu
	210					215					220				
Lys	Met	Asn	Ser	Ser	Glu	Gly	Arg	Arg	Lys	Val	Phe	Ser	Thr	Cys	Gly
225					230					235				240	

Ala	His	Leu	Thr	Ala	Val	Ser	Ile	Tyr	Tyr	Gly	Thr	Ile	Leu	Phe	Met
				245					250					255	
Tyr	Val	Arg	Pro	Ser	Ser	Asn	Tyr	Ser	Leu	Glu	His	Asp	Met	Ile	Val
			260					265					270		
Ser	Thr	Phe	Tyr	Thr	Ile	Gly	Ile	Pro	Met	Leu	Asn	Pro	Ile	Ile	Tyr
		275					280					285			
Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Glu	Ala	Met	Lys	Arg	Val	Leu	Arg
	290					295					300				
Lys	Lys	Ile	Asn												
305															

<210> 2499

<211> 315

<212> PRT

<213> Mus musculus

<400> 2499

Met	Trp	Met	Ile	Pro	Gly	Gln	Asn	Gln	Ser	Trp	Val	Ser	Glu	Phe	Ile
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Leu	Ile	Gly	Phe	Ser	Ser	Asp	Pro	Thr	Thr	Asn	Ser	Ile	Leu	Phe	Ile
			20					25					30		
Val	Phe	Leu	Leu	Met	Tyr	Leu	Ser	Val	Leu	Gly	Asn	Gly	Leu	Ile	
		35					40				45				
Ile	Met	Leu	Val	Cys	Leu	Asp	Thr	Gln	Leu	His	Thr	Pro	Met	Tyr	Phe
	50					55					60				
Phe	Leu	Cys	Thr	Leu	Ser	Leu	Leu	Asp	Met	Gly	Tyr	Val	Thr	Thr	Thr
65					70				75					80	
Met	Pro	Gln	Met	Leu	Val	His	Leu	Leu	Ala	His	Ser	Gln	Thr	Ile	Ser
				85					90					95	
Phe	Ala	Gly	Cys	Trp	Leu	Gln	Met	Tyr	Val	Phe	Gly	Ala	Leu	Gly	Met
			100					105					110		
Thr	Glu	Cys	Thr	Phe	Phe	Val	Val	Met	Ala	Tyr	His	Arg	Tyr	Val	Ala
		115					120					125			
Ile	Cys	Tyr	Pro	Leu	Arg	Tyr	Thr	Val	Ile	Leu	Asn	Trp	Gly	Leu	Cys
	130					135					140				
Ile	Arg	Leu	Ala	Gly	Gly	Ser	Trp	Ile	Cys	Gly	Leu	Phe	Ser	Ser	Leu
145					150					155					160
Leu	His	Thr	Phe	Phe	Thr	Met	Ser	Leu	Pro	Tyr	Cys	Gly	Pro	Asn	Arg
				165					170					175	
Ile	Asn	His	Tyr	Phe	Cys	Glu	Gly	Pro	Ser	Val	Arg	Ser	Leu	Ala	Cys
			180					185					190		
Met	Asp	Thr	His	Val	Ile	Glu	Met	Val	Asp	Phe	Val	Leu	Ser	Val	Phe
		195					200					205			
Val	Val	Val	Ile	Pro	Ile	Ser	Leu	Ile	Val	Ala	Ser	Tyr	Ile	Gly	Ile
	210					215					220				
Ala	Met	Ala	Ile	Leu	Lys	Ile	Lys	Ser	Asn	Gln	Gly	Arg	Cys	Lys	Ala
225					230					235					240
Phe	Ser	Thr	Cys	Ala	Ser	His	Leu	Thr	Val	Val	Thr	Phe	Phe	Tyr	Ala
				245					250					255	
Pro	Ala	Ser	Tyr	Ile	Tyr	Met	Arg	Pro	Asn	Ser	Ser	Tyr	Ser	Pro	Glu
		260						265					270		
Arg	Asp	Lys	Gln	Ile	Ser	Leu	Phe	Tyr	Asn	Val	Phe	Thr	Ala	Leu	Leu
		275					280					285			
Asn	Pro	Val	Val	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Ile	Lys	Arg	Ala	Phe
	290					295					300				
Leu	Lys	Val	Met	Gly	His	Gly	Arg	Leu	Ala	Trp					
305					310					315					

<210> 2500
 <211> 327
 <212> PRT
 <213> Mus musculus

<400> 2500
 Met Glu Arg Glu Asn Gln Thr Gly Glu Arg Asn Phe Leu Leu Leu Gly
 1 5 10 15
 Phe Thr Glu Asp Ser Asp Leu Gln Ser Phe Phe Phe Gly Leu Leu Leu
 20 25 30
 Ser Met Tyr Leu Val Thr Ile Thr Gly Asn Leu Leu Ile Ile Val Ala
 35 40 45
 Ile Ile Ser Asp Pro His Leu His Met Pro Met Tyr Leu Phe Leu Ser
 50 55 60
 Asn Leu Ser Ile Ala Asp Ile Gly Phe Thr Ser Thr Thr Ile Pro Lys
 65 70 75 80
 Val Leu Gln Asn Ile Arg Thr Gln Ser Lys Phe Ile Ser Phe Ser Gly
 85 90 95
 Cys Ile Thr Gln Ile Phe Phe Phe Ile Val Phe Gly Cys Leu Asp Asn
 100 105 110
 Leu Leu Leu Ser Val Met Ala Tyr Asp Arg Phe Val Ala Ile Cys His
 115 120 125
 Pro Leu His Tyr Val Val Ile Met Asn Ser Cys Phe Cys Ala Met Leu
 130 135 140
 Ala Leu Gly Ser Trp Ile Val Ser Val Met Ser Ser Leu Pro Glu Thr
 145 150 155 160
 Leu Thr Val Leu Arg Leu Ser Phe Cys Thr Asn Met Glu Ile Pro His
 165 170 175
 Phe Phe Cys Asp Leu Pro Glu Val Leu Lys Leu Ala Cys Ser Asp Thr
 180 185 190
 Leu Val Asn Asn Ile Val Thr Tyr Ser Ile Thr Ile Val Ile Ala Gly
 195 200 205
 Phe Pro Phe Ser Gly Ile Leu Leu Ser Tyr Ser Lys Ile Phe Ser Ser
 210 215 220
 Ile Leu Arg Ile Pro Ser Ala Gly Gly Lys Tyr Lys Ala Phe Ser Thr
 225 230 235 240
 Cys Gly Ser His Leu Leu Val Val Phe Leu Phe Tyr Ser Asn Gly Leu
 245 250 255
 Gly Val Tyr Leu Ser Ser Ala Ala Thr Ser Ser Ser Arg Met Ser Leu
 260 265 270
 Val Ala Ser Leu Met Tyr Ser Ile Val Thr Pro Met Leu Asn Pro Phe
 275 280 285
 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Phe Ile Tyr Ser Leu Arg Ile Ser
 290 295 300
 Cys Ile His Thr Asn Met Ile Ile Asn Lys Lys Ser Gln Lys Phe Lys
 305 310 315 320
 Arg Asp Thr Gly Thr Asn Cys
 325

<210> 2501
 <211> 317
 <212> PRT
 <213> Mus musculus

<220>
 <221> CONFLICT
 <222> (10)...(17)

<223> Any amino acid

<400> 2501

Ser	Met	Ile	Ile	Trp	Val	Cys	Leu	Leu	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa
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Xaa	Lys	Val	Gln	Leu	Pro	Leu	Phe	Leu	Phe	Val	Ala	Ile	Tyr	Leu	
			20					25				30			
Ile	Thr	Val	Ala	Gly	Asn	Leu	Gly	Met	Ile	Ala	Leu	Ile	Gly	Ile	Ser
		35					40					45			
Ser	His	Leu	His	Thr	Pro	Met	Tyr	Tyr	Phe	Leu	Ser	Ser	Leu	Ser	Phe
	50					55					60				
Ile	Asp	Phe	Cys	Gln	Ser	Thr	Val	Val	Thr	Pro	Lys	Met	Leu	Val	Ser
65					70					75					80
Leu	Leu	Thr	Lys	Lys	Asn	Ile	Ile	Ser	Tyr	Ser	Gly	Cys	Met	Val	Gln
				85					90					95	
Leu	Tyr	Phe	Phe	Ile	Ser	Phe	Gly	Thr	Ala	Glu	Cys	Tyr	Thr	Leu	Ala
			100					105					110		
Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asn	Pro	Leu	Arg	Tyr
		115					120					125			
Asn	Val	Thr	Met	Ser	Tyr	Gln	Ile	Tyr	Ser	Ser	Leu	Ile	Ser	Gly	Val
	130					135					140				
Tyr	Ile	Tyr	Ala	Val	Phe	Cys	Ala	Ser	Val	Asn	Thr	Gly	Phe	Ile	Ile
145					150					155					160
Arg	Ile	Gln	Phe	Cys	Lys	Leu	Asn	Val	Ile	Asn	His	Tyr	Phe	Cys	Asp
				165					170					175	
Leu	Leu	Pro	Leu	Leu	Lys	Leu	Ala	Cys	Ser	Asn	Thr	Tyr	Ile	Asn	Glu
			180					185					190		
Ile	Leu	Ile	Leu	Phe	Phe	Gly	Ser	Val	Asn	Ile	Cys	Val	Pro	Met	Leu
	195					200						205			
Thr	Val	Ile	Thr	Ser	Tyr	Ile	Phe	Ile	Ile	Ala	Ser	Ile	Leu	Arg	Ile
	210					215						220			
Arg	Ser	Ser	Glu	Gly	Lys	Phe	Lys	Ala	Phe	Ser	Thr	Cys	Ser	Ser	His
225					230					235					240
Ile	Ser	Ala	Val	Ala	Ile	Leu	Tyr	Gly	Ser	Thr	Ala	Phe	Thr	Tyr	Leu
				245					250					255	
Gln	Pro	Ser	Ser	Val	Ser	Leu	Val	Asp	Gln	Gly	Lys	Val	Ser	Ser	Val
			260					265					270		
Phe	Tyr	Thr	Thr	Val	Val	Pro	Met	Leu	Asn	Pro	Leu	Ile	Tyr	Ser	Leu
	275					280						285			
Arg	Asn	Lys	Asp	Val	Thr	Leu	Ala	Leu	Lys	Arg	Ile	Leu	Glu	Gln	Lys
	290					295					300				
Arg	Leu	Tyr	Val	Ser	Arg	Ser	Arg	Val	Lys	Ile	Ile	Asn			
305					310					315					

<210> 2502

<211> 286

<212> PRT

<213> Mus musculus

<400> 2502

Leu	Pro	Leu	Phe	Val	Leu	Phe	Leu	Met	Asn	Tyr	Thr	Ala	Thr	Val	Met
1				5					10					15	
Gly	Asn	Leu	Ser	Leu	Met	Ser	Leu	Ile	Cys	Leu	Asn	Ser	Asn	Leu	His
			20					25					30		
Thr	Pro	Met	Tyr	Phe	Phe	Ile	Phe	Asn	Leu	Ser	Phe	Ile	Asp	Phe	Cys
		35					40					45			
Tyr	Ser	Leu	Val	Ser	Thr	Pro	Lys	Met	Leu	Met	Ser	Phe	Leu	Leu	Glu
	50					55					60				

Lys	Asn	Thr	Ile	Ser	Phe	Arg	Gly	Cys	Met	Thr	Gln	Leu	Phe	Phe	Tyr
65					70					75					80
Cys	Val	Phe	Val	Asn	Ser	Glu	Ser	Tyr	Val	Leu	Thr	Ala	Met	Ala	Tyr
				85					90					95	
Asp	Arg	Tyr	Val	Ala	Ile	Cys	Gln	Pro	Leu	Met	Tyr	Lys	Ile	Ile	Met
			100					105					110		
Ser	Pro	Lys	Ile	Cys	Cys	Leu	Leu	Ile	Phe	Gly	Ser	Phe	Leu	Met	Gly
		115					120					125			
Phe	Val	Ser	Ala	Ile	Ile	His	Thr	Gly	Cys	Met	Val	Arg	Leu	Ser	Phe
	130					135					140				
Cys	His	Ser	Lys	Ile	Ile	Asn	His	Tyr	Met	Cys	Asp	Ile	Phe	Pro	Leu
145					150					155					160
Leu	Gln	Leu	Ser	Cys	Ser	Ser	Thr	Tyr	Val	Asn	Glu	Leu	Met	Ser	Tyr
				165					170					175	
Val	Val	Val	Gly	Thr	Ser	Ile	Ile	Leu	Cys	Cys	Leu	Ile	Ile	Leu	Ile
			180					185					190		
Ser	Tyr	Ala	Met	Ile	Leu	Phe	Ser	Ile	Ile	His	Met	Ser	Ser	Gly	Lys
		195					200					205			
Gly	Trp	Ser	Lys	Ala	Leu	Gly	Thr	Cys	Gly	Ser	His	Ile	Ile	Thr	Val
	210					215					220				
Ser	Leu	Phe	Tyr	Gly	Ser	Gly	Leu	Leu	Ala	Tyr	Val	Asn	Pro	Ser	Ser
225					230					235					240
Ala	Glu	Thr	Val	Gly	Gln	Ala	Lys	Phe	Phe	Ser	Val	Phe	Tyr	Thr	Leu
				245					250					255	
Leu	Val	Pro	Met	Leu	Asn	Pro	Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp
			260					265					270		
Val	Lys	Leu	Ala	Val	Lys	Lys	Thr	Trp	Lys	Arg	Ile	Thr	Ser		
		275					280					285			

<210> 2503

<211> 330

<212> PRT

<213> Mus musculus

<400> 2503

Met	Ala	Phe	Leu	Glu	Asp	Gly	Asn	His	Thr	Thr	Val	Thr	Glu	Phe	Ile
1				5					10					15	
Leu	Leu	Gly	Leu	Thr	Asp	Asp	Pro	Val	Leu	Arg	Asp	Ile	Leu	Phe	Ile
			20					25					30		
Ile	Ile	Leu	Cys	Ile	Tyr	Leu	Val	Thr	Val	Ser	Gly	Asn	Leu	Ser	Thr
		35					40					45			
Ile	Leu	Leu	Ile	Arg	Val	Ser	Ser	Gln	Leu	His	His	Pro	Met	Tyr	Phe
	50					55					60				
Ile	Leu	Ser	His	Leu	Ala	Ser	Val	Asp	Ile	Gly	Ile	Ser	Ser	Ser	Val
65					70					75					80
Thr	Pro	Asn	Met	Leu	Ala	Thr	Phe	Leu	Val	Lys	Gln	Asn	Thr	Ile	Ser
				85					90					95	
Tyr	Ile	Gly	Cys	Ser	Ile	Gln	Phe	Thr	Ser	Ala	Ala	Phe	Phe	Gly	Thr
		100						105					110		
Val	Glu	Cys	Phe	Leu	Leu	Ala	Thr	Met	Ala	Tyr	Asp	Arg	Phe	Val	Ala
		115					120					125			
Ile	Cys	Asn	Pro	Leu	Leu	Tyr	Ser	Thr	Lys	Met	Ser	Thr	Glu	Ala	Cys
	130					135					140				
Ile	Gln	Leu	Val	Val	Gly	Ser	Tyr	Ile	Gln	Gly	Phe	Leu	Asn	Ala	Ser
145					150					155					160
Phe	Phe	Thr	Leu	Ser	Phe	Phe	Ser	Leu	Phe	Phe	Cys	Gly	Pro	Asn	Arg
				165					170					175	
Ile	Asn	Asp	Phe	Tyr	Cys	Asp	Phe	Ala	Pro	Leu	Leu	Glu	Leu	Ser	Cys

Phe	Thr	Pro	Ala	Phe	Phe	Ser	Phe	Leu	Thr	His	Arg	Phe	Gly	His	Asn
			260					265					270		
Val	Pro	Gln	Tyr	Ile	His	Ile	Phe	Leu	Ala	Asn	Leu	Tyr	Val	Val	Val
		275					280					285			
Pro	Pro	Ala	Leu	Asn	Pro	Val	Ile	Tyr	Gly	Val	Arg	Thr	Lys	Gln	Ile
	290					295					300				
Arg	Glu	Gln	Val	Met	Arg	Ile	Leu	Phe	Arg	Lys	Asp	His			
305					310					315					

<210> 2505

<211> 333

<212> PRT

<213> Mus musculus

<400> 2505

Met	Thr	Pro	Leu	Leu	Tyr	Phe	Ala	Pro	Leu	Arg	Ala	Ala	Arg	Gly	Ser
1				5					10					15	
Thr	Ala	Ala	Thr	Arg	Gly	Gln	Asn	Asp	Ser	Ser	Val	Ala	Glu	Phe	Ile
			20					25					30		
Leu	Leu	Gly	Phe	Ser	Ala	Phe	Pro	Glu	Leu	Gln	Gly	Gln	Met	Phe	Gly
		35					40					45			
Ala	Phe	Leu	Val	Ile	Tyr	Leu	Val	Thr	Leu	Met	Gly	Asn	Ala	Thr	Ile
	50					55					60				
Val	Ala	Val	Ile	Leu	Leu	Asp	Gln	Ser	Leu	His	Ile	Pro	Met	Tyr	Leu
65				70						75					80
Phe	Leu	Gln	Asn	Leu	Ser	Val	Val	Glu	Met	Ser	Phe	Ser	Ala	Ala	Ile
			85					90						95	
Thr	Pro	Glu	Met	Leu	Val	Val	Leu	Thr	Ser	Glu	Lys	Ala	Thr	Ile	Ser
			100					105					110		
Phe	Gly	Gly	Cys	Phe	Ala	Gln	Met	Tyr	Phe	Ile	Leu	Leu	Phe	Gly	Gly
		115					120					125			
Thr	Glu	Cys	Phe	Leu	Leu	Gly	Ala	Met	Ala	Tyr	Asp	Arg	Phe	Ala	Ala
	130					135					140				
Ile	Cys	His	Pro	Leu	Ser	Tyr	Pro	Met	Ile	Met	Asn	Lys	Arg	Val	Phe
145				150						155					160
Val	Lys	Leu	Val	Ile	Phe	Ser	Trp	Val	Ser	Gly	Ile	Met	Val	Ala	Thr
			165					170					175		
Val	Gln	Thr	Thr	Trp	Val	Phe	Ser	Phe	Pro	Tyr	Cys	Asp	His	Lys	Glu
			180					185					190		
Ile	Asn	His	Leu	Phe	Cys	Glu	Thr	Pro	Pro	Val	Leu	Glu	Leu	Ala	Cys
	195						200					205			
Ala	Asp	Thr	Phe	Leu	Phe	Glu	Val	Tyr	Ala	Phe	Thr	Gly	Thr	Ile	Leu
	210					215					220				
Ile	Val	Met	Val	Pro	Phe	Leu	Leu	Ile	Leu	Leu	Ser	Tyr	Thr	Arg	Ile
225				230						235					240
Leu	Phe	Ser	Ile	Leu	Arg	Met	Pro	Ser	Thr	Thr	Gly	Arg	Gln	Lys	Ala
			245						250					255	
Phe	Ser	Thr	Cys	Ala	Ser	His	Leu	Thr	Ser	Val	Thr	Leu	Phe	Tyr	Gly
			260					265					270		
Thr	Ala	Ser	Ile	Thr	Tyr	Leu	Gln	Pro	Lys	Ser	Arg	Tyr	Ser	Pro	Asp
		275					280					285			
Thr	Lys	Lys	Leu	Met	Ser	Leu	Ala	Tyr	Thr	Leu	Leu	Thr	Pro	Leu	Leu
	290					295					300				
Asn	Pro	Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Met	Lys	Arg	Ala	Val
305				310						315					320
Leu	Lys	Leu	Trp	Gln	Arg	Lys	Val	Ala	Leu	His	Arg	Gly			
			325						330						

<210> 2506
 <211> 309
 <212> PRT
 <213> Mus musculus

<400> 2506
 His Ser Ser Thr Val Glu Phe Ile Leu Leu Gly Phe Ser Asn Tyr Pro
 1 5 10 15
 Glu Leu Gln Gly Gln Met Phe Gly Ala Phe Leu Val Ile Tyr Leu Val
 20 25 30
 Thr Val Leu Gly Asn Ala Ile Ile Ile Thr Ile Ile Phe Leu Asp Gln
 35 40 45
 Ser Leu His Ile Pro Met Tyr Leu Phe Leu Gln Asn Leu Ser Leu Val
 50 55 60
 Asp Phe Cys Phe Ser Thr Val Ile Thr Pro Glu Ile Leu Val Ile Leu
 65 70 75 80
 Thr Ser Glu Lys Ala Thr Ile Ser Phe Gly Gly Cys Phe Val Gln Met
 85 90 95
 Tyr Phe Ile Leu Leu Phe Gly Ala Thr Glu Cys Phe Leu Leu Gly Ala
 100 105 110
 Met Ala Tyr Asp Arg Phe Ala Ala Ile Cys His Pro Leu Thr Tyr Pro
 115 120 125
 Val Ile Met Ser Lys Arg Thr Phe Val Lys Leu Val Met Cys Pro Trp
 130 135 140
 Val Leu Ser Ile Met Thr Ala Val Leu Ser Val Thr Trp Val Ala Ser
 145 150 155 160
 Phe Pro Tyr Cys Asp His Lys Glu Ile Asn His Leu Phe Cys Glu Ile
 165 170 175
 Pro Pro Val Leu Glu Leu Ala Cys Ala Asp Thr Phe Leu Phe Glu Val
 180 185 190
 Tyr Ala Phe Thr Ser Thr Ile Leu Ile Val Met Val Pro Phe Leu Leu
 195 200 205
 Ile Leu Leu Ser Tyr Thr Arg Ile Leu Phe Ser Ile Leu Lys Met Pro
 210 215 220
 Ser Thr Thr Gly Arg Gln Lys Ala Phe Ser Thr Cys Ala Ser His Leu
 225 230 235 240
 Thr Ser Val Ile Leu Phe Tyr Gly Thr Ala Ser Ile Thr Tyr Leu Gln
 245 250 255
 Pro Lys Ser Gly Tyr Ser Pro Asp Thr Lys Lys Leu Met Ser Leu Ala
 260 265 270
 Tyr Thr Leu Leu Thr Pro Leu Leu Asn Pro Leu Ile Tyr Ser Leu Arg
 275 280 285
 Asn Lys Glu Met Lys Arg Ala Val Val Lys Leu Trp Gln Arg Lys Val
 290 295 300
 Thr Leu His Thr Gly
 305

<210> 2507
 <211> 321
 <212> PRT
 <213> Mus musculus

<400> 2507
 Met Gly Phe Ser Asn Trp Thr Thr Ala Gln Glu Phe Ile Phe Ser Ala
 1 5 10 15
 Phe Pro Cys Ser Trp Gly Asp Ser Val Ile Cys Phe Ile Pro Leu Leu
 20 25 30

Phe	Ile	Tyr	Ala	Phe	Ile	Ile	Val	Gly	Asn	Leu	Val	Ile	Ile	Thr	Val
	35						40					45			
Val	Gln	Leu	Asn	Ala	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Ile	Ser
	50					55					60				
Ala	Leu	Ser	Phe	Leu	Glu	Ile	Trp	Tyr	Thr	Thr	Ala	Thr	Ile	Pro	Lys
65					70					75					80
Met	Leu	Ser	Ser	Leu	Leu	Ser	Glu	Arg	Arg	Ser	Ile	Thr	Leu	Asn	Gly
				85					90					95	
Cys	Val	Leu	Gln	Met	Tyr	Phe	Phe	His	Ser	Thr	Gly	Ile	Ser	Glu	Val
			100					105					110		
Cys	Leu	Leu	Thr	Ala	Met	Ala	Phe	Asp	Arg	Tyr	Leu	Ala	Ile	Cys	Ser
	115						120					125			
Pro	Leu	His	Tyr	Pro	Thr	Ile	Met	Thr	Ser	Arg	Leu	Cys	Ala	Gln	Leu
	130					135					140				
Thr	Leu	Gly	Cys	Cys	Val	Cys	Gly	Phe	Leu	Thr	Pro	Leu	Pro	Glu	Ile
145					150					155					160
Ala	Trp	Ile	Ser	Thr	Leu	Pro	Phe	Cys	Gly	Ser	Asn	His	Leu	Glu	His
				165					170					175	
Ile	Phe	Cys	Asp	Phe	Leu	Pro	Val	Leu	Arg	Leu	Ala	Cys	Thr	Asp	Thr
			180					185					190		
His	Thr	Ile	Val	Met	Ile	Gln	Val	Val	Asp	Ile	Val	His	Ala	Val	Glu
	195					200						205			
Ile	Ile	Thr	Ala	Val	Met	Leu	Ile	Phe	Met	Ser	Tyr	Val	Gly	Ile	Val
	210					215					220				
Ala	Val	Ile	Leu	Arg	Ile	Arg	Ser	Ala	Glu	Gly	Arg	Arg	Lys	Ala	Phe
225					230					235					240
Ser	Thr	Cys	Val	Ser	His	Leu	Thr	Val	Phe	Leu	Leu	Phe	Phe	Gly	Ser
				245					250					255	
Val	Ala	Leu	Met	Tyr	Leu	Arg	Phe	Ser	Ala	Thr	Tyr	Ser	Leu	Phe	Trp
			260					265					270		
Asp	Thr	Ala	Ile	Ala	Leu	Ala	Phe	Ala	Val	Leu	Ser	Pro	Phe	Phe	Asn
		275					280					285			
Pro	Ile	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Ile	Lys	Glu	Ala	Ile	Lys
	290					295					300				
Lys	His	Ile	Gly	Gln	Ala	Gly	Ile	Leu	Ile	Gly	Lys	Ser	Arg	Asn	Leu
305				310						315					320
Pro															

<210> 2508

<211> 315

<212> PRT

<213> Mus musculus

<400> 2508

Met	His	Ser	Arg	Gly	Trp	Arg	Asn	His	Ser	Ser	Val	Thr	Glu	Phe	Ile
1				5					10					15	
Leu	Leu	Gly	Phe	Ser	Arg	Asn	Pro	Arg	Thr	Asn	Trp	Ile	Leu	Phe	Phe
			20					25					30		
Leu	Phe	Leu	Phe	Leu	Tyr	Leu	Phe	Thr	Ile	Leu	Gly	Asn	Gly	Leu	Ile
	35						40					45			
Val	Thr	Leu	Ile	Arg	Ile	Asp	Ala	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe
	50					55					60				
Phe	Leu	Ser	Ile	Leu	Ser	Leu	Leu	Asp	Leu	Ser	Tyr	Ala	Thr	Thr	Thr
65					70					75					80
Val	Pro	Gln	Met	Leu	Ala	His	Leu	Val	Ser	Lys	Thr	Lys	Thr	Ile	Ser
				85					90					95	
Tyr	Thr	Gly	Cys	Val	Ile	Gln	Met	Tyr	Ile	Phe	Leu	Thr	Leu	Gly	Ile

Tyr	Val	Asn	Glu	Ile	Val	Leu	Phe	Ile	Leu	Ala	Ser	Phe	Asn	Val	Phe
		195					200					205			
Phe	Ala	Leu	Ile	Val	Ile	Leu	Thr	Ser	Tyr	Ala	Phe	Ile	Phe	Ile	Ala
	210					215					220				
Ile	Leu	Arg	Met	His	Ser	Ala	Glu	Gly	Arg	Lys	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Ala	Ser	His	Leu	Thr	Ala	Val	Thr	Ile	Phe	Tyr	Gly	Thr	Val	Ile
				245					250					255	
Phe	Met	Tyr	Leu	Gln	Pro	Ser	Ser	Ser	His	Ser	Met	Asp	Asn	Asp	Gln
			260					265					270		
Met	Ala	Ser	Val	Phe	Tyr	Thr	Thr	Ile	Val	Pro	Met	Leu	Asn	Pro	Val
		275					280					285			
Val	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	His	Asn	Ala	Phe	Lys	Lys	Val
	290					295					300				
Val	Glu	Lys	Met	Asn	Thr	Leu	Leu	Asn	Ser						
305					310										

<210> 2510

<211> 312

<212> PRT

<213> Mus musculus

<400> 2510

Met	Thr	Leu	Val	Lys	Asn	Trp	Thr	Tyr	Val	Thr	Glu	Phe	Ile	Leu	Leu
1				5					10					15	
Gly	Leu	Thr	Asp	Asp	Pro	Gly	Leu	Gln	Leu	Pro	Leu	Phe	Val	Ile	Phe
			20					25					30		
Leu	Leu	Ile	Tyr	Ile	Ile	Thr	Leu	Val	Gly	Asn	Leu	Gly	Met	Ile	Leu
		35					40					45			
Leu	Ile	Phe	Leu	Asp	Ser	Gln	Leu	His	Ile	Pro	Met	Tyr	Phe	Phe	Leu
	50					55					60				
Gly	Asn	Leu	Ser	Leu	Val	Asp	Val	Cys	Tyr	Ser	Ser	Ala	Val	Thr	Pro
65					70					75					80
Lys	Val	Ile	Ala	Gly	Leu	Leu	Ile	Gly	Asp	Lys	Phe	Ile	Ser	Tyr	Asn
				85					90					95	
Asp	Cys	Ala	Ala	Gln	Met	Phe	Phe	Phe	Ala	Ala	Phe	Ala	Thr	Val	Glu
			100					105					110		
Asn	Tyr	Leu	Ala	Ser	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Val	Cys	
		115				120					125				
Lys	Pro	Leu	His	Tyr	Thr	Thr	Thr	Met	Thr	Ser	Asn	Val	Cys	Ile	Cys
	130					135					140				
Leu	Ile	Met	Gly	Cys	Tyr	Gly	Phe	Ser	Phe	Leu	Asn	Val	Ser	Val	Tyr
145					150					155					160
Leu	Gly	Asp	Thr	Phe	Ser	Leu	Ser	Phe	Cys	Asn	Ser	Asn	Val	Val	His
				165					170					175	
His	Phe	Phe	Cys	Asp	Met	Pro	Ala	Ile	Met	Ala	Leu	Ser	Cys	Ser	Asp
			180					185					190		
Lys	His	Val	Asn	Glu	Leu	Val	Leu	Ile	Tyr	Leu	Ala	Ser	Phe	Asn	Ile
		195					200					205			
Phe	Val	Ala	Phe	Ile	Met	Ile	Ile	Val	Ser	Tyr	Leu	Ile	Ile	Phe	Ile
	210					215					220				
Thr	Ile	Leu	Asn	Met	Arg	Ser	Arg	Ala	Gly	Val	Gln	Lys	Ala	Leu	Ser
225					230					235					240
Thr	Cys	Val	Ser	His	Leu	Thr	Ala	Val	Phe	Ile	Phe	Tyr	Gly	Thr	Ile
				245					250					255	
Ile	Phe	Met	Tyr	Leu	Gln	Pro	Ser	Ser	Arg	His	Ala	Met	Asp	Thr	Asp
			260					265					270		
Lys	Ile	Val	Ser	Val	Phe	Tyr	Thr	Met	Val	Ile	Pro	Met	Leu	Asn	Pro

	275					280					285								
Leu	Val	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Lys	Ser	Ala	Phe	Met	Lys				
	290					295					300								
Ile	Val	Leu	Lys	Glu	Lys	Ser	Leu												
305					310														

<210> 2511
 <211> 314
 <212> PRT
 <213> Mus musculus

<400> 2511

Met	Glu	Asn	Ile	Ser	Glu	Val	Thr	Glu	Phe	Ile	Leu	Met	Gly	Ile	Thr				
1				5					10					15					
Asp	Ala	Pro	Glu	Leu	Gln	Ile	Pro	Leu	Phe	Ile	Ile	Phe	Thr	Leu	Ile				
			20					25					30						
Tyr	Leu	Ile	Ala	Leu	Phe	Gly	Asn	Leu	Gly	Met	Ile	Met	Leu	Ile	Leu				
		35					40					45							
Leu	Asp	Ser	Arg	Leu	His	Ser	Pro	Met	Tyr	Phe	Phe	Leu	Cys	Asn	Leu				
	50					55					60								
Ser	Leu	Val	Asp	Cys	Val	Tyr	Ala	Ser	Ala	Val	Thr	Pro	Lys	Val	Met				
65					70					75					80				
Glu	Gly	Phe	Leu	Thr	Gly	Asn	Lys	Ile	Ile	Ser	Tyr	Asn	Ala	Cys	Ala				
				85					90					95					
Ala	Gln	Met	Phe	Phe	Phe	Val	Ala	Phe	Gly	Ala	Ile	Glu	Ser	Leu	Ile				
			100					105					110						
Leu	Ala	Ser	Met	Ala	Tyr	Asp	Arg	His	Ala	Ala	Val	Cys	Lys	Pro	Leu				
	115					120						125							
His	Tyr	Thr	Thr	Ile	Met	Thr	Ser	Thr	Thr	Cys	Ile	Leu	Ile	Val	Thr				
	130					135						140							
Cys	Cys	Tyr	Met	Cys	Gly	Ile	Leu	Gln	Ser	Ser	Ile	His	Val	Ala	Leu				
145					150					155					160				
Ala	Phe	Cys	Leu	Ser	Phe	Cys	Asn	Ser	Asn	Val	Ile	Asn	His	Phe	Phe				
				165					170					175					
Cys	Asp	Ile	Pro	Pro	Leu	Leu	Asp	Ile	Ser	Cys	Ser	Asp	Thr	Tyr	Thr				
			180					185					190						
Asn	Glu	Ile	Thr	Val	Leu	Ile	Leu	Gly	Thr	Cys	Asp	Gly	Ile	Leu	Thr				
	195						200					205							
Leu	Leu	Val	Ile	Leu	Asn	Thr	Tyr	Leu	Leu	Ile	Phe	Ile	Ala	Ile	Leu				
	210					215					220								
Arg	Met	Arg	Ser	Ala	Glu	Ala	Gln	Arg	Lys	Ala	Phe	Ser	Thr	Cys	Ala				
225					230					235					240				
Ser	His	Leu	Ile	Thr	Val	Phe	Ile	Phe	Phe	Gly	Ser	Thr	Leu	Phe	Met				
				245					250					255					
Tyr	Leu	Gln	Pro	Ser	Ser	Asn	His	Ser	Met	Asp	Thr	Asp	Lys	Ile	Ala				
			260					265					270						
Ser	Val	Phe	Tyr	Thr	Met	Val	Ile	Pro	Met	Leu	Asn	Pro	Val	Val	Tyr				
	275						280					285							
Ser	Leu	Arg	Asn	Lys	Glu	Val	Lys	Asn	Ala	Phe	Lys	Lys	Val	Val	Gly				
	290					295					300								
Lys	Leu	Met	Thr	Ser	Leu	Gln	Leu	Val	Asn										
305					310														

<210> 2512
 <211> 322
 <212> PRT
 <213> Mus musculus

<400> 2512

Met	Gly	Asp	Lys	Glu	Arg	Asp	Asn	His	Ser	Glu	Val	Thr	Asp	Phe	Ile	
1				5					10					15		
His	His	Ser	Glu	Val	Thr	Asp	Phe	Ile	Leu	Val	Gly	Ile	Arg	Val	Arg	
			20					25					30			
Pro	Glu	Leu	His	Ser	Val	Leu	Phe	Leu	Leu	Phe	Leu	Ile	Ile	Tyr	Gly	
		35					40					45				
Met	Val	Leu	Leu	Gly	Asn	Leu	Ser	Met	Ile	Gly	Ile	Ile	Val	Thr	Asp	
	50				55					60						
Pro	Arg	Leu	Asn	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Gly	Asn	Leu	Ser	Val	
65					70				75						80	
Ile	Asp	Leu	Ser	Tyr	Ser	Thr	Val	Ile	Val	Pro	Lys	Ala	Met	Val	Asn	
			85						90					95		
Ile	Leu	Ser	Gln	Lys	Lys	Thr	Ile	Ser	Phe	Val	Gly	Cys	Ala	Ala	Gln	
			100					105						110		
Leu	Phe	Leu	Tyr	Ala	Leu	Phe	Met	Val	Thr	Glu	Ala	Phe	Ile	Leu	Ala	
		115					120						125			
Ala	Met	Ala	Tyr	Asp	Arg	Phe	Ile	Ala	Ile	Cys	Asn	Pro	Leu	Leu	Tyr	
	130					135					140					
Ser	Val	Arg	Met	Ser	Arg	Ser	Val	Cys	Val	Gln	Leu	Val	Ala	Gly	Ser	
145					150					155					160	
Tyr	Leu	Cys	Gly	Trp	Val	Ser	Ser	Ile	Leu	Gln	Ile	Ser	Val	Thr	Phe	
			165						170					175		
Ser	Met	Ser	Phe	Cys	Ala	Ser	Arg	Val	Ile	Asp	His	Phe	Tyr	Cys	Asp	
			180					185					190			
Ser	Asn	Pro	Ile	Glu	Lys	Ile	Ser	Cys	Ser	Asn	Thr	Phe	Ile	Asn	Lys	
		195						200					205			
Met	Val	Ser	Leu	Ser	Leu	Ala	Val	Leu	Ile	Ile	Leu	Pro	Thr	Ile	Ile	
	210					215					220					
Val	Ile	Val	Val	Ser	Tyr	Met	Tyr	Ile	Val	Ser	Thr	Val	Leu	Lys	Ile	
225					230					235					240	
His	Ser	Ser	Glu	Gly	Arg	Lys	Lys	Ala	Phe	Ser	Thr	Cys	Ser	Ser	His	
			245						250					255		
Leu	Gly	Val	Val	Ser	Leu	Leu	Tyr	Gly	Thr	Val	Ser	Phe	Val	Tyr	Leu	
			260					265					270			
Thr	Pro	Pro	Asn	Asn	Pro	Glu	Leu	Arg	Lys	Ile	Ala	Ser	Val	Cys	Tyr	
		275					280					285				
Ile	Leu	Phe	Thr	Pro	Met	Leu	Asn	Pro	Leu	Ile	Tyr	Ser	Leu	Arg	Asn	
	290					295					300					
Lys	Asp	Val	Lys	Asp	Ala	Met	Lys	Lys	Val	Leu	Cys	Lys	Gln	Lys	Val	
305					310					315					320	
Leu	Leu															

<210> 2513

<211> 328

<212> PRT

<213> Mus musculus

<400> 2513

Met	Ile	Thr	His	Phe	Ser	Val	Val	Ser	Val	Phe	Leu	Thr	Ala	Phe	Gly	
1				5					10					15		
Ser	Lys	Asn	Ser	Ser	Ile	His	Phe	Val	Thr	Glu	Phe	Ile	Leu	Leu	Gly	
			20					25					30			
Phe	Ser	Asn	Gln	Gly	Glu	Met	Gln	Ser	Phe	Phe	Phe	Cys	Ser	Ile	Leu	
		35					40					45				
Ile	Leu	Tyr	Leu	Leu	Thr	Leu	Leu	Gly	Asn	Gly	Thr	Ile	Val	Cys	Ala	

50		55		60
Val Arg Trp Asp Gln Arg	Leu His Thr Pro Met Tyr Ile Phe Leu Gly			
65		70		75
Asn Phe Ala Phe Leu Glu Ile Trp Tyr Val Ser Ser Thr Ile Pro Asn				80
		85		90
Met Leu Val Asn Ile Leu Ser Glu Asn Lys Thr Ile Ser Phe Ser Ala				95
		100		105
Cys Phe Leu Gln Phe Tyr Phe Phe Phe Ser Leu Gly Thr Thr Glu Cys				110
		115		120
Phe Phe Leu Ser Ala Met Ala Tyr Asp Arg Tyr Leu Ala Ile Cys Arg				125
		130		135
Pro Leu His Tyr Pro Ser Ile Met Thr Arg Lys Phe Cys Val Ile Leu				140
145		150		155
Ile Cys Ile Cys Trp Val Ser Gly Phe Leu Cys Tyr Pro Val Pro Ile				160
		165		170
Val Leu Ile Ser Gln Leu Pro Phe Cys Gly Pro Asn Ile Ile Asp His				175
		180		185
Phe Val Cys Asp Pro Gly Pro Leu Phe Ala Leu Ser Cys Val Pro Ala				190
		195		200
Pro Ser Thr Glu Leu Leu Cys Tyr Thr Phe Asn Ser Met Ile Ile Phe				205
		210		215
Gly Pro Phe Phe Cys Ile Leu Gly Ser Tyr Thr Leu Val Leu Arg Ala				220
225		230		235
Val Phe Arg Val Pro Ser Gly Ala Gly Arg Thr Lys Ala Phe Ser Thr				240
		245		250
Cys Gly Ser His Leu Val Val Val Ser Leu Phe Tyr Gly Thr Leu Met				255
		260		265
Val Met Tyr Val Ser Pro Thr Ser Gly Asn Pro Ala Gly Met Gln Lys				270
		275		280
Ile Val Thr Leu Ile Tyr Ser Ala Leu Thr Pro Leu Leu Asn Pro Leu				285
		290		295
Ile Tyr Thr Leu Arg Asn Lys Glu Met Lys Asn Ala Leu Lys Lys Leu				300
305		310		315
Leu Lys Leu Thr Ile Ile Gln Asn				320
		325		

<210> 2514

<211> 314

<212> PRT

<213> Mus musculus

<400> 2514

Met Asn Val Ser Glu Gly Ser Thr Val Thr Tyr Phe Val Leu Leu Gly	
1	5
Phe Pro Gly Pro Trp Lys Ile Gln Ile Thr Leu Phe Ser Leu Ile Leu	
	10
	15
	20
Leu Leu Tyr Met Ile Thr Leu Thr Gly Asn Met Ala Ile Ile Cys Ala	
	25
	30
	35
	40
	45
Val Arg Trp Asn Gln Gln Leu His Thr Pro Met Tyr Met Phe Leu Ala	
	50
	55
Asn Phe Ser Phe Leu Glu Ile Trp Tyr Val Thr Cys Thr Val Pro Asn	
65	70
	75
Met Leu Ile Asn Ser Leu Ser Lys Thr Lys Thr Ile Ser Phe Thr Gly	
	80
	85
	90
Cys Phe Thr Gln Phe Tyr Phe Phe Phe Ser Leu Gly Thr Thr Glu Cys	
	95
	100
	105
	110
Phe Phe Leu Cys Ala Met Ala Tyr Asp Arg Tyr Leu Ala Ile Cys Tyr	
	115
	120
	125

Pro	Leu	His	Tyr	Pro	Ser	Ile	Met	Thr	Arg	Gln	Phe	Cys	Ser	Ile	Leu
	130					135					140				
Met	Ser	Leu	Cys	Trp	Ile	Ile	Gly	Phe	Ser	Ala	His	Leu	Ile	Pro	Ile
145					150					155					160
Phe	Leu	Ile	Ser	Gln	Leu	Ser	Phe	Cys	Gly	Pro	Asn	Ile	Ile	Asp	His
				165					170					175	
Phe	Leu	Cys	Asp	Val	Asp	Pro	Leu	Ile	Ala	Leu	Ser	Cys	Thr	Pro	Thr
			180					185					190		
His	Ile	Ile	Ser	His	Val	Phe	Tyr	Ser	Ile	Ser	Thr	Leu	Ile	Ile	Ile
		195					200					205			
Leu	Thr	Gly	Leu	Tyr	Ile	Leu	Gly	Ser	Tyr	Ala	Leu	Val	Leu	Arg	Ala
	210					215					220				
Val	Leu	Gln	Val	Pro	Ser	Ser	Asp	Gly	Arg	Gln	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Gly	Ser	His	Leu	Val	Val	Ser	Leu	Phe	Tyr	Gly	Thr	Ile	Met	
				245				250					255		
Val	Met	Tyr	Val	Ser	Pro	Thr	Ser	Gly	Asn	Ser	Val	Asp	Met	Asn	Lys
			260					265				270			
Ile	Ile	Thr	Leu	Ile	Tyr	Ser	Val	Val	Thr	Pro	Ala	Leu	Asn	Pro	Phe
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Met	Lys	Tyr	Ala	Leu	His	His	Val
	290					295					300				
Phe	Phe	Gly	Asn	Ser	Ile	Met	Gln	Asn	Leu						
305					310										

<210> 2515

<211> 314

<212> PRT

<213> Mus musculus

<400> 2515

Lys	Asn	Lys	Asn	Ser	Ser	Asp	Val	Ser	Arg	Phe	Val	Leu	Leu	Gly	Leu
1				5					10					15	
Ser	Ser	Ser	Trp	Glu	Leu	Gln	Leu	Phe	Leu	Phe	Phe	Thr	Phe	Leu	Leu
			20					25				30			
Ile	Tyr	Leu	Val	Ile	Val	Leu	Gly	Asn	Leu	Leu	Ile	Val	Met	Val	Val
		35					40					45			
Gln	Ala	Asp	Ala	His	Leu	Phe	Gln	Ser	Pro	Met	Tyr	Tyr	Phe	Leu	Ser
	50					55				60					
His	Leu	Ser	Phe	Ile	Asp	Leu	Cys	Leu	Ser	Cys	Val	Ala	Val	Pro	Lys
65					70					75					80
Met	Leu	Gly	Asp	Phe	Leu	Gln	Lys	Glu	Lys	Thr	Ile	Ser	Phe	Ser	Gly
				85					90					95	
Cys	Leu	Ala	Gln	Val	Phe	Phe	Leu	His	Phe	Leu	Gly	Ala	Ser	Glu	Met
			100					105					110		
Phe	Leu	Leu	Thr	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asn
			115					120				125			
Pro	Leu	His	Tyr	Leu	Thr	Val	Met	Asn	Asn	His	Leu	Arg	Leu	Arg	Leu
	130					135					140				
Val	Phe	Gly	Cys	Trp	Cys	Gly	Gly	Phe	Ile	His	Ser	Ile	Thr	Gln	Val
145					150					155					160
Met	Ile	Val	Ile	Gln	Leu	Pro	Phe	Cys	Gly	Pro	Asn	Glu	Leu	Asp	Asn
				165					170					175	
Phe	Tyr	Cys	Asp	Val	Pro	Gln	Val	Val	Lys	Leu	Ala	Cys	Met	Asp	Thr
			180					185					190		
Tyr	Leu	Val	Glu	Val	Leu	Met	Val	Ser	Asn	Ser	Gly	Ile	Leu	Ser	Leu
		195					200					205			
Val	Cys	Phe	Leu	Val	Leu	Leu	Phe	Ser	Tyr	Ala	Leu	Ile	Leu	Ile	Thr

210		215		220
Leu Arg Thr His Leu His Arg Gly Gln Ser Lys Ala Leu Ser Thr Cys				
225		230		235
Ala Ser His Leu Thr Val Val Ser Leu Ile Phe Val Pro Cys Val Phe				
	245		250	
Ile Tyr Leu Arg Pro Phe Cys Thr Phe Ser Val Asp Lys Val Val Ser				
	260		265	
Val Phe Tyr Thr Val Ile Thr Pro Met Leu Asn Pro Leu Ile Tyr Thr				
	275		280	
Leu Arg Asn Ala Asp Met Lys Gln Ala Ile Glu Lys Leu Arg Lys Lys				
	290		295	
Gln Val Ala Ser His Cys Phe Ala Lys Gly				
305		310		

<210> 2516
 <211> 326
 <212> PRT
 <213> Mus musculus

<400> 2516

Met Gln Ser Lys Tyr Val Asn Leu Gln Arg Ala Asn Lys Phe Lys Ile	
1 5 10 15	
Thr Asp Thr Asn Leu Ser Val Pro Ile Glu Phe Val Leu Leu Gly Phe	
20 25 30	
Ser Asp Ile Pro Gln Leu His Trp Phe Leu Phe Gly Ile Phe Phe Phe	
35 40 45	
Ile Tyr Met Ile Ile Leu Leu Gly Asn Gly Leu Ile Ile Leu Ile Thr	
50 55 60	
Arg Val Glu Pro Thr Leu Gln Thr Pro Met Tyr Phe Phe Ile Ser Asn	
65 70 75 80	
Leu Ser Phe Leu Glu Ile Cys Tyr Val Ser Val Thr Leu Pro Arg Met	
85 90 95	
Leu Met Asp Leu Phe Thr Leu Lys Gly Asn Ile Ser Phe Leu Ala Cys	
100 105 110	
Ala Thr Gln Met Cys Leu Phe Leu Ile Leu Gly Gly Thr Glu Cys Phe	
115 120 125	
Leu Leu Ala Val Met Ser Tyr Asp Arg Tyr Val Ala Ile Cys Asn Pro	
130 135 140	
Leu His Tyr Pro Ile Val Met Ser Ser Lys Val Cys Thr Gln Leu Val	
145 150 155 160	
Val Gly Ser Trp Val Ile Gly Val Pro Ile Gln Val Gly Gln Thr Tyr	
165 170 175	
Gln Ile Leu Ser Leu Pro Phe Cys Glu Ser Asn Gln Ile Asn His Phe	
180 185 190	
Phe Cys Asp Met Pro Pro Leu Leu Arg Leu Ala Cys Gly Asn Ile Phe	
195 200 205	
Val Asn Glu Leu Val Val Phe Ile Phe Val Val Leu Ile Val Thr Ile	
210 215 220	
Pro Phe Met Leu Ile Leu Ala Ser Tyr Ser Arg Ile Ile Ser Thr Ile	
225 230 235 240	
Leu Lys Leu Pro Ser Lys Thr Gly Arg Thr Lys Ala Phe Ser Thr Cys	
245 250 255	
Ser Ser His Leu Ile Val Val Phe Leu Phe Tyr Gly Ser Ala Ser Ile	
260 265 270	
Thr Tyr Leu Lys Pro Lys Ser Asn Lys Phe Glu Gly Thr Asp Lys Leu	
275 280 285	
Leu Ser Leu Phe Tyr Thr Ile Leu Thr Pro Met Phe Asn Pro Leu Ile	
290 295 300	

Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Thr	Gly	Ala	Leu	Lys	Lys	Leu	Phe
305					310					315					320
Thr	Arg	Leu	Leu	Ala	Leu										
				325											

<210> 2517
 <211> 310
 <212> PRT
 <213> Mus musculus

<400> 2517															
Met	Gly	Ala	Asn	Gln	Thr	Trp	Val	Thr	Asp	Phe	Ile	Leu	Val	Gly	Leu
1				5					10					15	
Gln	Leu	Ser	Ala	Gly	Ile	Glu	Met	Phe	Leu	Phe	Trp	Ile	Phe	Ser	Leu
			20					25					30		
Leu	Tyr	Ile	Phe	Ser	Leu	Leu	Ala	Asn	Gly	Ile	Ile	Leu	Val	Val	Ile
		35					40					45			
Cys	Leu	Asp	Pro	Lys	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser	His
	50					55					60				
Leu	Ala	Ile	Leu	Asp	Ile	Ser	Tyr	Ala	Ser	Asn	Asn	Val	Pro	Lys	Met
65					70				75						80
Leu	Ser	Asn	Leu	Ile	Asn	Gln	Lys	Arg	Thr	Ile	Ser	Phe	Ala	Pro	Cys
			85						90					95	
Ile	Thr	Gln	Thr	Phe	Leu	Tyr	Leu	Ala	Phe	Ala	Ala	Ser	Glu	Cys	Leu
			100					105					110		
Ile	Leu	Ala	Ala	Met	Ser	Tyr	Asp	Arg	Phe	Val	Ala	Ile	Cys	His	Pro
		115					120					125			
Leu	His	Tyr	Thr	Val	Ile	Met	Ser	Trp	Lys	Val	Cys	Val	Ala	Leu	Ala
	130					135					140				
Val	Thr	Ser	Trp	Ser	Cys	Gly	Phe	Ser	Leu	Ser	Val	Ala	His	Thr	Ile
145					150					155					160
Leu	Leu	Leu	Arg	Leu	Pro	Phe	Cys	Gly	Pro	Gln	Glu	Ile	Asn	His	Leu
			165					170						175	
Phe	Cys	Glu	Ile	Leu	Ala	Val	Leu	Lys	Leu	Ala	Cys	Ala	Asp	Thr	Leu
			180					185					190		
Ile	Asn	Gln	Ile	Val	Ile	Leu	Ala	Ala	Cys	Val	Phe	Val	Leu	Val	Gly
	195						200					205			
Pro	Leu	Cys	Ser	Met	Leu	Val	Ser	Tyr	Thr	His	Ile	Leu	Trp	Thr	Ile
	210					215					220				
Leu	Lys	Met	Gln	Ser	Lys	Glu	Gly	Arg	Arg	Lys	Ala	Phe	Ser	Thr	Cys
225					230					235					240
Ser	Ser	His	Leu	Cys	Val	Val	Gly	Leu	Phe	Phe	Gly	Ile	Ala	Met	Leu
				245					250					255	
Val	Tyr	Met	Val	Pro	Asp	Ser	Asp	Gln	Arg	Glu	Glu	Gln	Glu	Lys	Ile
			260					265					270		
Leu	Ser	Leu	Phe	His	Ser	Leu	Phe	Asn	Pro	Met	Leu	Asn	Pro	Leu	Ile
		275					280					285			
Tyr	Ser	Leu	Arg	Asn	Thr	Gln	Val	Lys	Glu	Ala	Phe	His	Arg	Ala	Leu
	290					295					300				
Gln	Lys	Lys	Arg	Ser	Val										
305					310										

<210> 2518
 <211> 308
 <212> PRT
 <213> Mus musculus

<400> 2518

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Met Asn Gln Thr Trp Ile Thr Glu Val Ile Leu Leu Gly Phe Gln Val
 1          5          10          15
Asp Pro Ser Leu Glu Met Leu Leu Phe Gly Leu Phe Leu Leu Phe Tyr
 20          25          30
Cys Leu Thr Leu Met Gly Asn Gly Ile Ile Leu Gly Leu Ile Cys Leu
 35          40          45
Asp Ala Arg Leu His Thr Pro Met Tyr Phe Phe Leu Ser His Leu Ala
 50          55          60
Ile Val Asp Met Ser Tyr Ala Ser Ser Thr Ala Pro Lys Met Leu Thr
 65          70          75          80
Asn Met Val Met His Gln Lys Ser Ile Ser Phe Ala Ser Cys Ile Leu
 85          90          95
Gln Thr Phe Leu Tyr Leu Ala Phe Ala Val Thr Glu Cys Leu Ile Leu
100          105          110
Val Val Met Ser Tyr Asp Arg Phe Val Ala Ile Cys His Pro Leu Lys
115          120          125
Tyr Thr Leu Ile Met Ser Trp Arg Val Cys Ser Ile Leu Ala Ala Thr
130          135          140
Cys Trp Val Phe Ser Phe Leu Leu Ala Ser Leu His Ile Thr Leu Ile
145          150          155          160
Leu Arg Leu Pro Phe Cys Gly Pro Gln Lys Val Asn His Phe Phe Cys
165          170          175
Gln Ile Met Ser Val Phe Arg Leu Ala Cys Ala Asp Thr Arg Leu Asn
180          185          190
Gln Val Val Leu Phe Ala Gly Ser Val Met Val Leu Leu Gly Pro Leu
195          200          205
Cys Leu Val Leu Val Ser Tyr Thr Arg Ile Leu Val Ala Ile Leu Gly
210          215          220
Ile His Ser Gly Glu Gly Arg Arg Lys Ala Phe Ser Thr Cys Ser Ser
225          230          235          240
His Leu Cys Val Val Gly Leu Phe Phe Gly Cys Ala Ile Ala Met Tyr
245          250          255
Met Ala Pro Lys Ser Lys His Ser Gln Glu Gln Arg Lys Ile Leu Ser
260          265          270
Leu Phe Tyr Ser Leu Phe Asn Pro Met Leu Asn Pro Leu Ile Tyr Ser
275          280          285
Leu Arg Asn Thr Glu Val Lys Gly Ala Leu Arg Arg Val Leu Trp Lys
290          295          300
Gln Arg Ser Leu
305
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<210> 2519

<211> 316

<212> PRT

<213> Mus musculus

<400> 2519

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Met Ala Tyr Glu Val Val Asn Gln Ser Ser Ala Thr Thr Phe Ile Leu
 1          5          10          15
Val Gly Phe Ser Glu Tyr Pro Gln Leu Gln Ile Pro Leu Phe Leu Leu
 20          25          30
Phe Leu Thr Ile Tyr Ser Val Thr Leu Met Gly Asn Leu Gly Ile Leu
 35          40          45
Val Val Ile Lys Val Asn Pro Lys Leu His Thr Pro Met Tyr Phe Phe
 50          55          60
Leu Ser His Leu Ser Phe Leu Asp Ile Cys Tyr Ser Ser Val Phe Thr
 65          70          75          80
```

Pro	Lys	Leu	Leu	Gln	Ile	Leu	Ile	Met	Glu	Asp	Arg	Thr	Ile	Ser	Phe
				85					90					95	
Ile	Gly	Cys	Met	Ile	Gln	Phe	Phe	Phe	Ile	Cys	Thr	Phe	Val	Ile	Thr
			100					105					110		
Glu	Met	Phe	Met	Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg	Phe	Val	Ala	Val
		115					120					125			
Cys	Asn	Pro	Leu	Leu	Tyr	Thr	Val	Val	Met	Pro	Ile	Gln	Phe	Cys	Ala
	130					135					140				
Leu	Leu	Val	Ala	Gly	Thr	Tyr	Met	Ile	Gly	Gly	Leu	Cys	Thr	Leu	Ile
145					150					155					160
Ile	Leu	Tyr	Thr	Leu	Leu	Gln	Leu	Cys	Tyr	Phe	Glu	Tyr	Gly	Ile	Ile
				165					170					175	
Asn	His	Phe	Gly	Cys	Glu	Tyr	Ser	Ala	Val	Ile	Ser	Val	Ser	Cys	Ser
			180					185					190		
Asp	Ser	Ser	Phe	Ser	Gln	Leu	Ile	Cys	Leu	Val	Ile	Ser	Ile	Ala	Ser
		195					200					205			
Glu	Phe	Ser	Ser	Val	Leu	Ile	Thr	Leu	Ala	Ser	Tyr	Val	Phe	Ile	Val
	210					215					220				
Val	Thr	Ile	Ile	Lys	Met	Pro	Ser	Lys	Gly	Gly	Leu	Gln	Lys	Ala	Phe
225					230					235					240
Ser	Thr	Cys	Thr	Ser	His	Leu	Thr	Ala	Ile	Thr	Ile	Phe	His	Gly	Ile
				245					250					255	
Leu	Leu	Leu	Leu	Tyr	Cys	Ile	Pro	Asn	Ser	Asn	Ser	Ser	Arg	Leu	Phe
			260					265					270		
Val	Lys	Val	Ala	Thr	Ala	Leu	Tyr	Thr	Ile	Met	Ile	Pro	Met	Leu	Asn
		275					280					285			
Pro	Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Asp	Thr	Val	Arg
	290					295					300				
Arg	Leu	Ile	Ser	Ser	Lys	Leu	His	Ser	His	Leu	Thr				
305					310					315					

<210> 2520

<211> 314

<212> PRT

<213> Mus musculus

<400> 2520

Met	Gln	Arg	Arg	Met	Glu	Gly	Glu	Asn	Cys	Ser	Ser	Phe	Thr	Glu	Phe
1				5					10					15	
Ile	Leu	Met	Gly	Ile	Thr	Asn	Asn	Ser	Glu	Val	Lys	Val	Val	Leu	Phe
			20					25					30		
Thr	Ile	Phe	Leu	Leu	Val	Tyr	Leu	Ile	Asn	Leu	Ile	Gly	Asn	Leu	Gly
		35				40						45			
Met	Ile	Leu	Leu	Ile	Lys	Val	Asp	Pro	Gln	Leu	Gln	Thr	Pro	Met	Tyr
	50					55					60				
Phe	Phe	Leu	Ser	Asn	Leu	Ser	Phe	Cys	Asp	Leu	Cys	Tyr	Ser	Thr	Ala
65					70					75					80
Val	Gly	Pro	Lys	Met	Leu	Met	Asp	Ile	Phe	Gly	Asn	Asp	Lys	Ser	Ile
			85						90					95	
Gln	Phe	Phe	Gly	Cys	Ala	Leu	Gln	Phe	Phe	Ile	Ser	Cys	Thr	Phe	Val
			100					105					110		
Asp	Ser	Glu	Cys	Ile	Leu	Leu	Ala	Val	Met	Ala	Phe	Asp	Arg	Tyr	Gln
		115					120					125			
Ala	Ile	Ser	Asn	Pro	Leu	Leu	Tyr	Thr	Thr	Asn	Met	Ser	Asn	Arg	Leu
	130					135					140				
Cys	Ser	Leu	Leu	Val	Ala	Gly	Val	Tyr	Phe	Val	Gly	Val	Ala	Asp	Ser
145					150					155					160
Leu	Ile	His	Thr	Thr	Leu	Thr	Phe	His	Leu	Cys	Phe	Cys	Gly	Ser	Asn

Ser	Thr	Cys	Gly	Ser	His	Leu	Ser	Ala	Val	Ser	Leu	Phe	Tyr	Gly	Ser
			260					265					270		
Ile	Val	Gly	Val	Tyr	Phe	Leu	Pro	Ala	Ser	Ser	Tyr	Ser	Ala	Glu	Arg
		275					280					285			
Asp	Lys	Val	Ala	Ala	Ile	Met	Tyr	Thr	Val	Val	Thr	Pro	Met	Met	Asn
	290					295					300				
Pro	Phe	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Met	Lys	Arg	Ala	Leu	Arg
305					310					315					320
Arg	Leu	Leu	Ser	Gln	Lys	Ser	Leu	Ile	Cys	Ser	Trp				
				325					330						

<210> 2522

<211> 315

<212> PRT

<213> Mus musculus

<400> 2522

Met	Met	Gln	Asn	Ile	Ser	Glu	Leu	Ser	Glu	Phe	Ile	Leu	Leu	Gly	Leu
1				5					10					15	
Thr	Asp	Ala	Pro	Phe	Leu	Gln	Thr	Pro	Leu	Phe	Ile	Ile	Phe	Thr	Leu
			20					25					30		
Ile	Tyr	Leu	Thr	Thr	Leu	Phe	Gly	Asn	Leu	Gly	Met	Ile	Leu	Leu	Ile
		35					40					45			
Leu	Leu	Asp	Ser	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser	Asn
	50					55					60				
Leu	Ser	Leu	Val	Asp	Cys	Val	Tyr	Ala	Ser	Ala	Val	Thr	Pro	Lys	Val
65					70					75					80
Ile	Glu	Gly	Phe	Leu	Thr	Glu	Asn	Lys	Ile	Ile	Ser	Tyr	Asn	Ala	Cys
				85					90					95	
Ala	Ala	Gln	Met	Phe	Phe	Phe	Val	Ala	Phe	Ala	Ile	Thr	Glu	Cys	Phe
			100					105					110		
Ile	Leu	Ala	Ser	Met	Ala	Tyr	Asp	Arg	His	Ala	Ala	Val	Cys	Lys	Pro
		115					120					125			
Leu	His	Tyr	Ser	Thr	Thr	Met	Thr	Thr	Thr	Ile	Cys	Val	Leu	Leu	Leu
	130					135					140				
Ala	Gly	Ser	Tyr	Leu	Ser	Gly	Leu	Leu	Gln	Ser	Ser	Ile	His	Val	Ser
145					150					155					160
Phe	Thr	Phe	His	Leu	Ser	Phe	Cys	Arg	Ser	Asn	Val	Val	Asn	His	Phe
				165					170					175	
Phe	Cys	Asp	Ile	Pro	Pro	Leu	Leu	Ala	Leu	Ser	Cys	Ser	Ser	Ile	His
			180					185					190		
Ile	Asn	Glu	Ile	Ile	Leu	Phe	Met	Leu	Ala	Gly	Phe	Asn	Val	Val	Phe
		195					200					205			
Ser	Leu	Leu	Val	Ile	Leu	Thr	Ser	Tyr	Leu	Leu	Ile	Ser	Val	Ala	Ile
	210					215					220				
Val	Arg	Met	Arg	Ser	Ala	Glu	Ser	Arg	Lys	Lys	Ala	Ile	Ser	Thr	Cys
225					230					235					240
Ala	Ser	His	Leu	Thr	Thr	Val	Ser	Ile	Phe	Tyr	Gly	Thr	Ile	Ile	Phe
				245					250					255	
Met	Tyr	Leu	Gln	Pro	Ser	Ser	Asn	His	Ser	Met	Asp	Thr	Asp	Lys	Met
			260					265					270		
Ala	Ser	Val	Phe	Tyr	Thr	Met	Val	Ile	Pro	Met	Leu	Asn	Pro	Leu	Val
		275					280					285			
Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Lys	Asn	Ala	Val	Arg	Lys	Val	Ala
	290					295					300				
Gly	Lys	Ala	Leu	Phe	Ser	Leu	Gly	Leu	Val	Asn					
305					310					315					

<210> 2523
 <211> 320
 <212> PRT
 <213> Mus musculus

<400> 2523
 Met Asn Val Ser Phe Lys Thr Gly Phe Leu Leu Met Gly Phe Ser Asp
 1 5 10 15
 Glu Arg Asn Leu Gln Ile Leu His Ala Val Leu Phe Leu Ile Thr Tyr
 20 25 30
 Leu Leu Ala Ile Met Gly Asn Leu Leu Ile Ile Thr Ile Ile Thr Leu
 35 40 45
 Asp Gln Arg Leu His Ser Pro Met Tyr Tyr Phe Leu Lys His Leu Ser
 50 55 60
 Phe Leu Asp Leu Cys Phe Ile Ser Val Thr Val Pro Gln Ser Ile Ala
 65 70 75 80
 Asn Ser Leu Met Asn Asn Gly Phe Ile Ser Leu Gly Gln Cys Met Leu
 85 90 95
 Gln Val Phe Phe Phe Ile Ala Leu Ala Ser Ser Glu Val Ala Ile Leu
 100 105 110
 Thr Val Met Ser Tyr Asp Arg Tyr Val Ala Ile Cys Arg Pro Leu Gln
 115 120 125
 Tyr Glu Thr Ile Met Asp Pro His Ala Cys Lys Cys Ala Val Ile Ala
 130 135 140
 Val Trp Met Ala Gly Gly Leu Ser Gly Leu Leu His Thr Gly Val Asn
 145 150 155 160
 Phe Ser Ile Pro Leu Cys Gly Lys Arg Ile Ile His Gln Phe Phe Cys
 165 170 175
 Asp Ile Pro Gln Met Leu Lys Leu Ala Cys Ser Tyr Glu Phe Ile Asn
 180 185 190
 Glu Ile Ala Val Ala Ala Phe Thr Thr Ser Thr Ala Phe Val Cys Leu
 195 200 205
 Ile Ala Ile Val Phe Ser Tyr Thr Gln Ile Phe Ser Thr Val Met Arg
 210 215 220
 Ile Pro Ser Ala Asp Ser Arg Thr Lys Val Phe Ser Thr Cys Leu Pro
 225 230 235 240
 His Leu Phe Val Val Met Phe Phe Leu Ser Ala Ala Gly Phe Glu Phe
 245 250 255
 Leu Arg Pro Pro Ser Asp Ser Leu Ser Ala Met Asp Leu Ile Phe Ser
 260 265 270
 Ile Phe Tyr Thr Val Ile Pro Pro Thr Leu Asn Pro Leu Ile Tyr Ser
 275 280 285
 Leu Arg Asn Glu Ala Met Lys Ala Ala Leu Arg Lys Val Leu Ser Lys
 290 295 300
 Glu Glu Phe Ser Arg Arg Met Val Tyr Val Lys Ala Ile Phe Asn Leu
 305 310 315 320

<210> 2524
 <211> 312
 <212> PRT
 <213> Mus musculus

<400> 2524
 Met Ile Val Glu Asn Ile Thr Thr Met Arg Gly Phe Leu Leu Met Gly
 1 5 10 15
 Phe Ser Asp Asn His Glu Leu Gln Ile Leu Gln Ala Leu Leu Phe Leu
 20 25 30

Val	Thr	Tyr	Leu	Leu	Gly	Ser	Ala	Gly	Asn	Val	Ile	Ile	Ile	Thr	Ile
		35					40					45			
Thr	Thr	Leu	Asp	Pro	Gln	Leu	Gln	Ser	Pro	Met	Tyr	Tyr	Phe	Leu	Lys
	50					55					60				
His	Leu	Ser	Ile	Leu	Asp	Leu	Ser	Ser	Leu	Ser	Val	Thr	Val	Pro	Gln
65					70					75					80
Tyr	Val	Asp	Ile	Cys	Leu	Thr	Gln	Ser	Gly	Tyr	Ile	Ser	Tyr	Ala	Gln
				85					90					95	
Cys	Met	Leu	Gln	Ile	Phe	Phe	Phe	Thr	Gly	Phe	Ala	Trp	Gly	Glu	Val
			100					105					110		
Ala	Ile	Leu	Thr	Val	Met	Ser	Tyr	Asp	Arg	Tyr	Val	Ala	Val	Cys	Leu
		115					120					125			
Pro	Leu	His	Tyr	Glu	Val	Ile	Met	Gly	Pro	Ser	Lys	Cys	Arg	Trp	Ala
	130					135					140				
Val	Thr	Ala	Val	Trp	Leu	Ser	Ser	Val	Ile	Pro	Gly	Thr	Leu	Tyr	Ile
145					150					155					160
Ala	Ser	Ile	Phe	Ser	Ile	Arg	Phe	Cys	Gly	Asp	Arg	Ile	Ile	His	Gln
				165					170					175	
Phe	Phe	Cys	Asp	Val	Pro	Gln	Val	Leu	Lys	Phe	Ser	Cys	Ser	Asp	Asp
			180					185					190		
Tyr	Leu	Val	Thr	Val	Gly	Val	Ala	Asp	Phe	Leu	Ser	Ala	Val	Ala	Phe
	195						200					205			
Ala	Cys	Phe	Ile	Gly	Ile	Val	Asn	Ser	Tyr	Val	His	Ile	Phe	Ser	Thr
	210					215					220				
Val	Leu	Arg	Met	Pro	Ser	Ala	Glu	Ser	Arg	Ser	Lys	Val	Phe	Ser	Thr
225					230					235					240
Cys	Leu	Pro	His	Leu	Phe	Val	Val	Leu	Leu	Phe	Leu	Ser	Thr	Gly	Ile
				245					250					255	
Phe	Ala	Tyr	Leu	Asn	Pro	Thr	Ser	Asp	Ser	Pro	Thr	Ala	Leu	Gln	Phe
			260					265					270		
Leu	Val	Ser	Ile	Phe	Tyr	Thr	Val	Leu	Pro	Pro	Thr	Leu	Asn	Pro	Val
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Glu	Thr	Ile	Lys	Ser	Val	Ile	Arg	Lys	Leu
	290					295					300				
Leu	Leu	Ser	Ser	Lys	Phe	Thr	Gly								
305					310										

<210> 2525

<211> 330

<212> PRT

<213> Mus musculus

<400> 2525

Met	Ile	Cys	Cys	Pro	Phe	Phe	Gln	Glu	Met	Ser	Ile	Asn	Cys	Ser	Leu
1				5					10					15	
Trp	Gln	Glu	Asn	Ser	Leu	Ser	Val	Lys	Arg	Phe	Ala	Phe	Ala	Lys	Phe
			20					25					30		
Ser	Glu	Val	Pro	Gly	Glu	Cys	Phe	Leu	Leu	Phe	Thr	Leu	Ile	Leu	Leu
		35					40					45			
Met	Phe	Leu	Val	Ser	Leu	Thr	Gly	Asn	Ser	Leu	Ile	Ala	Leu	Ala	Ile
	50					55					60				
Cys	Thr	Ser	Ala	Ala	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ala	Asn
65					70					75					80
Leu	Ser	Leu	Leu	Glu	Ile	Gly	Tyr	Thr	Cys	Ser	Val	Ile	Pro	Lys	Met
				85					90					95	
Leu	Gln	Ser	Leu	Val	Ser	Glu	Ala	Arg	Gly	Ile	Ser	Arg	Glu	Gly	Cys
			100					105					110		
Ala	Thr	Gln	Met	Phe	Phe	Phe	Ile	Phe	Phe	Gly	Ile	Thr	Glu	Cys	Cys

Tyr	Leu	Val	Ile	Met	Gly	Val	Ala	Asp	Phe	Leu	Ser	Val	Ile	Gly	Phe
	195						200					205			
Ala	Cys	Phe	Val	Gly	Ile	Val	Ile	Ser	Tyr	Val	His	Ile	Phe	Ser	Thr
	210						215				220				
Val	Leu	Arg	Met	Pro	Ser	Ala	Glu	Ser	Arg	Ser	Lys	Val	Phe	Ser	Thr
225						230				235					240
Cys	Leu	Pro	His	Leu	Phe	Val	Val	Ser	Leu	Phe	Leu	Ser	Thr	Gly	Ile
				245					250					255	
Phe	Ala	Tyr	Leu	Asn	Pro	Thr	Ser	Asp	Phe	Pro	Thr	Ala	Leu	Glu	Phe
			260					265				270			
Leu	Phe	Ser	Val	Phe	Tyr	Thr	Val	Leu	Pro	Pro	Thr	Leu	Asn	Pro	Val
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Asp	Ala	Ile	Lys	Ser	Val	Val	Arg	Lys	Leu
	290					295					300				
Leu	Leu	Ser	Arg	Lys	Phe	Thr	Ser								
305					310										

<210> 2527

<211> 315

<212> PRT

<213> Mus musculus

<400> 2527

Met	Ile	Met	Glu	Asn	Ile	Thr	Thr	Met	Ser	Gly	Phe	Leu	Leu	Met	Gly
1				5				10						15	
Phe	Ser	Asp	Asn	Arg	Glu	Leu	Gln	Ile	Leu	Gln	Ala	Leu	Leu	Phe	Leu
			20					25					30		
Val	Thr	Tyr	Leu	Val	Gly	Ser	Ala	Gly	Asn	Cys	Ile	Ile	Ile	Thr	Ile
		35					40					45			
Thr	Thr	Leu	Asp	Pro	Gln	Leu	Lys	Ser	Pro	Met	Tyr	Tyr	Phe	Leu	Lys
	50					55					60				
His	Leu	Ser	Ile	Leu	Asp	Leu	Ser	Ser	Leu	Ser	Val	Thr	Val	Pro	Gln
65					70					75				80	
Tyr	Val	Asp	Ser	Ser	Leu	Ala	Arg	Ser	Gly	Tyr	Ile	Ser	Tyr	Glu	Gln
				85					90					95	
Cys	Met	Leu	Gln	Ile	Leu	Phe	Phe	Thr	Cys	Phe	Ala	Trp	Asp	Glu	Met
			100					105					110		
Ala	Ile	Leu	Thr	Val	Met	Ser	Tyr	Asp	Arg	Tyr	Val	Ala	Val	Cys	Leu
		115					120					125			
Pro	Leu	His	Tyr	Glu	Val	Ile	Met	Ser	Pro	Arg	Lys	Cys	Thr	Trp	Ala
	130					135					140				
Leu	Ala	Ala	Val	Trp	Leu	Ser	Gly	Gly	Val	Ser	Gly	Thr	Leu	Tyr	Thr
145					150					155				160	
Ala	Ser	Thr	Leu	Ser	Ile	Arg	Phe	Cys	Gly	Asp	Arg	Ile	Ile	His	Gln
				165					170					175	
Phe	Phe	Cys	Asp	Val	Pro	Gln	Val	Leu	Lys	Leu	Ser	Cys	Ser	Asn	Asp
			180					185					190		
Tyr	Leu	Val	Thr	Ile	Gly	Val	Ala	Asn	Ile	Leu	Ser	Ala	Val	Ala	Phe
		195					200					205			
Ala	Cys	Phe	Ile	Gly	Ile	Val	Ile	Ser	Tyr	Val	His	Ile	Phe	Ser	Thr
	210						215				220				
Val	Leu	Arg	Met	Pro	Ser	Ala	Glu	Ser	Arg	Tyr	Lys	Val	Phe	Ser	Thr
225					230					235					240
Cys	Leu	Pro	His	Leu	Phe	Val	Val	Ser	Leu	Phe	Leu	Ser	Thr	Ser	Thr
				245					250					255	
Phe	Ala	Tyr	Leu	Asn	Pro	Thr	Ala	Asp	Ser	Pro	Thr	Ala	Leu	Glu	Phe
			260					265				270			
Leu	Phe	Ser	Ile	Leu	Tyr	Thr	Val	Leu	Pro	Pro	Thr	Ile	Asn	Pro	Val

	275		280		285
Ile	Tyr Ser Leu Arg Asn Glu Thr Ile Lys Arg Val Val Arg Lys Leu				
	290		295		300
Leu	Ser Ser Thr Lys Phe Thr Val Arg Ile Ile				
305		310		315	

<210> 2528
 <211> 330
 <212> PRT
 <213> Mus musculus

<400> 2528

Met	Ile	Cys	Cys	Pro	Phe	Phe	Gln	Glu	Met	Ser	Val	Asn	Cys	Ser	Leu
1				5					10					15	
Trp	Gln	Glu	Asn	Lys	Leu	Ser	Val	Lys	His	Phe	Ala	Phe	Ala	Lys	Phe
			20					25					30		
Ser	Glu	Val	Pro	Glu	Glu	Cys	Phe	Leu	Leu	Phe	Thr	Leu	Ile	Leu	Leu
		35					40					45			
Met	Phe	Leu	Val	Ser	Leu	Thr	Gly	Asn	Ala	Leu	Ile	Thr	Leu	Ala	Ile
	50					55					60				
Cys	Thr	Ser	Pro	Ala	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ala	Asn
65					70					75					80
Leu	Ser	Leu	Leu	Glu	Ile	Gly	Tyr	Thr	Cys	Ser	Val	Ile	Pro	Lys	Met
				85					90					95	
Leu	Gln	Asn	Leu	Val	Ser	Glu	Ile	Arg	Gly	Ile	Ser	Arg	Glu	Gly	Cys
			100					105					110		
Ala	Thr	Gln	Met	Phe	Phe	Phe	Ile	Phe	Phe	Gly	Ile	Thr	Glu	Cys	Cys
		115					120					125			
Leu	Leu	Ala	Ala	Met	Ala	Phe	Asp	Arg	Tyr	Met	Ala	Ile	Cys	Ser	Pro
	130					135					140				
Leu	His	Tyr	Ala	Thr	Arg	Met	Ser	Arg	Glu	Val	Cys	Ala	His	Leu	Ala
145					150					155					160
Leu	Val	Ser	Trp	Gly	Met	Gly	Cys	Ile	Val	Gly	Leu	Gly	Gln	Thr	Asn
				165					170					175	
Phe	Ile	Phe	Ser	Leu	Asn	Phe	Cys	Gly	Pro	Cys	Glu	Ile	Asp	His	Phe
			180					185					190		
Phe	Cys	Asp	Leu	Pro	Pro	Val	Leu	Ala	Leu	Ala	Cys	Gly	Asp	Thr	Ser
		195					200					205			
Gln	Asn	Glu	Ala	Ala	Ile	Phe	Val	Thr	Val	Val	Leu	Cys	Ile	Ser	Ser
	210					215					220				
Pro	Phe	Leu	Leu	Ile	Ile	Tyr	Ser	Tyr	Val	Arg	Ile	Leu	Phe	Ala	Val
225					230					235					240
Leu	Val	Met	Pro	Ser	Pro	Glu	Gly	Arg	His	Lys	Ala	Leu	Ser	Thr	Cys
				245					250					255	
Ser	Ser	His	Leu	Leu	Val	Val	Thr	Leu	Phe	Tyr	Gly	Ser	Ala	Ser	Ile
			260					265					270		
Thr	Tyr	Leu	Arg	Pro	Lys	Ser	Ser	His	Ser	Pro	Gly	Ile	Asp	Lys	Leu
		275					280					285			
Leu	Ala	Leu	Phe	Tyr	Thr	Ala	Val	Thr	Ser	Met	Leu	Asn	Pro	Ile	Ile
	290					295					300				
Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Lys	Ala	Ala	Leu	Arg	Arg	Thr	Leu
305					310					315					320
Ser	Leu	Lys	Lys	Pro	Leu	Ala	Ile	Asn	Arg						
				325					330						

<210> 2529
 <211> 316

<212> PRT

<213> Mus musculus

<400> 2529

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Met Ala Asn Ser Thr Leu Val Thr Asn Ser Thr Leu Val Thr Glu Phe
 1          5          10          15
Met Leu Glu Asp Phe Ala Glu Thr Trp Glu Leu Arg Ile Leu Leu Ser
          20          25          30
Val Leu Phe Leu Leu Val Tyr Met Gly Ser Leu Leu Gly Asn Leu Thr
          35          40          45
Ile Ile Ile Ala Thr Thr Val Asp Gln Thr Leu Asn Thr Pro Met Tyr
          50          55          60
Phe Phe Leu Arg Asn Leu Ser Ile Leu Asp Met Cys Tyr Ile Ser Val
65          70          75          80
Thr Val Pro Asn Ala Cys Ile Asn Ser Leu Thr Asp His Arg Asn Ile
          85          90          95
Ser Val Ala Gly Cys Val Ala Gln Val Phe Leu Val Leu Phe Cys Ala
          100          105          110
Ala Val Glu Ile Gln Phe Leu Thr Ile Met Ala Gln Asp Arg Tyr Val
          115          120          125
Ala Ile Cys Lys Pro Leu Leu Tyr Pro Met Ile Met Asn His Gln Tyr
130          135          140
Cys Ile Gln Met Thr Leu Ala Ser Leu Leu Thr Ser Leu Ile Leu Ala
145          150          155          160
Ser Val His Thr Ser Lys Thr Phe Gln Leu Ser Phe Cys His Ser Lys
          165          170          175
Val Ile Pro His Phe Phe Cys Asp Ile Pro Ser Leu Leu Arg Leu Ser
          180          185          190
Cys Ser Asp Thr Phe Asn Asn Lys Leu Leu Leu Leu Leu Thr Ala Ile
          195          200          205
Gly Leu Ser Gly Ser Cys Phe Thr Phe Ile Ala Ile Ser Tyr Ala Arg
210          215          220
Ile Leu Ser Ala Val Leu Lys Val Pro Val Lys Gly Glu Arg Gly Lys
225          230          235          240
Ala Phe Ser Thr Cys Val Pro His Ile Ile Val Val Ser Val Phe Leu
          245          250          255
Ser Ser Ala Ala Tyr Val Tyr Leu Arg Pro Pro Val Val Thr Leu Glu
260          265          270
Val Val Gln Glu Met Thr Leu Ser Val Phe Tyr Thr Ile Val Pro Pro
275          280          285
Phe Leu Asn Pro Ile Ile Tyr Ser Leu Arg Asn Arg Gln Ile Lys Glu
290          295          300
Ala Val Lys Lys Val Val Leu Arg Ile Thr Phe Ile
305          310          315
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<210> 2530

<211> 323

<212> PRT

<213> Mus musculus

<400> 2530

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Met Glu Asp Ser Ser Met Ser Asn Asp Thr Arg Ile Thr Gly Phe Ile
 1          5          10          15
Leu Met Gly Phe Ser Ala Ala Pro Glu Leu Gln Thr Val Cys Gly Leu
          20          25          30
Phe Phe Leu Val Met Tyr Val Ala Val Ile Met Ser Asn Leu Leu Leu
          35          40          45
Ile Thr Leu Ile Thr Leu Asp Leu Lys Leu Gln Thr Pro Met Tyr Phe
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50		55		60											
Phe	Leu	Lys	Asn	Leu	Ser	Leu	Leu	Asp	Ile	Phe	Phe	Ile	Ser	Val	Pro
65					70					75					80
Ile	Pro	Asn	Phe	Phe	Ile	Asn	Ser	Ile	Thr	His	Asn	Asn	Ser	Ile	Ser
			85						90					95	
Ile	Leu	Gly	Cys	Ala	Leu	Gln	Val	Phe	Leu	Met	Thr	Ser	Phe	Ala	Ser
			100					105					110		
Gly	Asp	Val	Phe	Val	Leu	Thr	Ala	Met	Ser	Tyr	Asp	His	Tyr	Val	Ala
		115					120					125			
Ile	Cys	Cys	Pro	Leu	His	Tyr	Glu	Thr	Ile	Met	Ser	Ser	Gly	Asn	Cys
	130					135					140				
Val	Leu	Met	Val	Gly	Val	Ser	Trp	Ala	Ile	Gly	Val	Leu	Phe	Gly	Ala
145					150					155					160
Leu	Tyr	Thr	Ala	Gly	Thr	Phe	Ser	Met	Pro	Phe	Cys	Gly	Ser	Ile	Val
			165						170					175	
Ile	Pro	Gln	Phe	Phe	Cys	Asp	Val	Pro	Ser	Leu	Leu	Arg	Ile	Ser	Cys
			180					185					190		
Ser	Asp	Ile	Leu	Val	Val	Ile	Tyr	Thr	Ser	Leu	Gly	Met	Gly	Val	Cys
	195						200					205			
Leu	Gly	Met	Ser	Cys	Phe	Ile	Cys	Val	Val	Ile	Ser	Tyr	Phe	Tyr	Ile
	210					215					220				
Phe	Ser	Thr	Val	Leu	Lys	Ile	Pro	Thr	Thr	Lys	Gly	Gln	Ser	Lys	Ala
225					230					235					240
Phe	Ala	Thr	Cys	Leu	Pro	His	Leu	Thr	Val	Phe	Ser	Val	Phe	Ile	Val
			245					250						255	
Thr	Ala	Cys	Phe	Val	Tyr	Leu	Lys	Pro	Pro	Ser	Val	Val	Pro	Ser	Ile
			260					265					270		
Ser	Asp	Arg	Leu	Phe	Ser	Val	Leu	His	Thr	Val	Leu	Pro	Pro	Ala	Leu
	275						280					285			
Asn	Pro	Val	Ile	Tyr	Ser	Leu	Arg	Asn	Ser	Asp	Val	Lys	Arg	Ala	Leu
	290					295					300				
Lys	Arg	Leu	Gln	Gln	Asn	Leu	Cys	Pro	Ser	Gly	Ser	Leu	His	Val	Thr
305				310						315					320
Ile	Gln	Ser													

<210> 2531

<211> 319

<212> PRT

<213> Mus musculus

<400> 2531

Met	Leu	Asn	Ala	Thr	Arg	Ile	Thr	Gly	Phe	Ile	Leu	Met	Gly	Phe	Ser
1				5					10					15	
Val	Ala	Pro	Glu	Leu	Gln	Thr	Val	Cys	Gly	Leu	Phe	Leu	Leu	Val	Met
			20					25					30		
Tyr	Leu	Ala	Val	Ile	Met	Ser	Asn	Leu	Leu	Ile	Thr	Leu	Ile	Thr	
		35					40				45				
Leu	Asp	Leu	Lys	Leu	Gln	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Lys	Asn	Leu
	50				55					60					
Ser	Leu	Leu	Asp	Val	Phe	Phe	Ile	Ser	Val	Pro	Ile	Pro	Asn	Phe	Phe
65					70				75					80	
Ile	Asn	Ser	Ile	Thr	His	Asn	Asn	Ser	Ile	Ser	Ile	Leu	Gly	Cys	Ala
			85						90				95		
Leu	Gln	Leu	Phe	Leu	Met	Thr	Ser	Phe	Gly	Ala	Gly	Asp	Val	Phe	Val
			100					105				110			
Leu	Thr	Ala	Met	Ser	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Cys	Pro	Leu
		115					120					125			

His	Tyr	Glu	Thr	Ile	Met	Ser	Ser	Gly	Asn	Cys	Val	Leu	Met	Val	Gly
130						135				140					
Val	Ser	Trp	Ala	Thr	Gly	Ile	Leu	Phe	Gly	Ala	Leu	Tyr	Thr	Ala	Gly
145					150					155					160
Thr	Phe	Ser	Met	Pro	Phe	Cys	Gly	Ser	Met	Val	Ile	Pro	Gln	Phe	Phe
				165					170					175	
Cys	Asp	Val	Pro	Ser	Leu	Leu	Arg	Ile	Ser	Cys	Ser	Asp	Thr	Leu	Val
			180					185					190		
Val	Ile	Tyr	Ile	Ser	Leu	Gly	Ile	Gly	Phe	Cys	Leu	Gly	Met	Val	Cys
		195					200					205			
Ile	Ile	Cys	Val	Val	Leu	Ser	Tyr	Phe	Tyr	Ile	Phe	Ser	Thr	Val	Leu
		210				215					220				
Lys	Ile	Pro	Thr	Thr	Lys	Gly	Gln	Ser	Lys	Ala	Phe	Gly	Thr	Cys	Ile
225					230					235					240
Pro	His	Leu	Thr	Val	Phe	Ser	Val	Phe	Ile	Ala	Thr	Ala	Cys	Phe	Val
				245					250					255	
Asn	Leu	Lys	Pro	Pro	Ser	Arg	Ser	Ala	Ser	Ile	Ala	Asp	Ser	Leu	Phe
			260					265					270		
Ser	Val	Leu	Tyr	Thr	Val	Leu	Pro	Pro	Ala	Leu	Asn	Pro	Val	Ile	Tyr
			275				280					285			
Ser	Leu	Arg	Asn	Thr	Asp	Val	Lys	Cys	Ala	Leu	Arg	Ser	Leu	Gln	Lys
		290				295					300				
Ile	Leu	Cys	Pro	Arg	Asp	Ser	Leu	His	Leu	Arg	Val	Gln	Ser	Ile	
305					310					315					

<210> 2532

<211> 310

<212> PRT

<213> Mus musculus

<400> 2532

Met	Gln	Ser	Gly	Asn	Gln	Thr	Ser	Val	Ser	His	Phe	Ile	Leu	Val	Gly
1				5					10					15	
Leu	His	His	Pro	Pro	Gln	Leu	Gly	Val	Pro	Leu	Phe	Leu	Ala	Phe	Leu
			20					25					30		
Val	Ile	Tyr	Leu	Leu	Thr	Val	Ser	Gly	Asn	Gly	Leu	Ile	Ile	Leu	Thr
		35				40						45			
Val	Leu	Val	Asp	Ile	Arg	Leu	His	Arg	Pro	Met	Tyr	Trp	Phe	Leu	Cys
		50				55					60				
His	Leu	Ser	Phe	Leu	Asp	Leu	Thr	Ile	Ser	Ser	Ala	Ile	Val	Pro	Lys
65					70					75					80
Met	Leu	Ser	Gly	Phe	Leu	Leu	Asp	Ser	Arg	Ile	Ile	Ser	Phe	Gly	Gly
			85					90					95		
Cys	Val	Ile	Gln	Leu	Phe	Ser	Phe	His	Phe	Leu	Gly	Cys	Thr	Glu	Cys
			100					105					110		
Phe	Leu	Tyr	Thr	Leu	Met	Ala	Tyr	Asp	Arg	Phe	Leu	Ala	Ile	Cys	Lys
		115					120					125			
Pro	Leu	His	Tyr	Ala	Thr	Ile	Met	Thr	Arg	Ser	Val	Cys	Asn	Tyr	Leu
					135						140				
Ala	Leu	Gly	Thr	Trp	Ile	Gly	Gly	Thr	Ile	His	Ser	Leu	Phe	Gln	Thr
145					150					155					160
Ser	Phe	Ile	Phe	Arg	Leu	Pro	Phe	Cys	Gly	Pro	Asn	Arg	Val	Asp	Tyr
				165					170					175	
Phe	Phe	Cys	Asp	Ile	Pro	Ala	Val	Leu	Arg	Leu	Val	Cys	Ala	Asp	Thr
			180					185					190		
Thr	Ile	Asn	Glu	Leu	Val	Thr	Phe	Val	Asp	Ile	Gly	Phe	Leu	Ala	Leu
		195					200					205			
Thr	Cys	Phe	Met	Leu	Ile	Leu	Thr	Ser	Tyr	Gly	Tyr	Ile	Val	Ala	Ala

210		215		220
Ile Leu Arg Ile Arg Ser	Ala Asp Gly Arg Arg	Asn Ala Phe Ser Thr		
225		230		240
Cys Ala Ala His Leu Thr	Val Val Ile Val Tyr Tyr	Val Pro Cys Thr		
		245		255
Phe Ile Tyr Leu Arg Pro	Gly Ser Gln Glu Pro Leu	Asp Gly Val Val		
		260		270
Ala Val Phe Tyr Thr Val	Ile Thr Pro Leu Leu Asn	Pro Ile Ile Tyr		
		275		285
Thr Leu Arg Asn Lys Gln	Met Lys Ala Ala Leu Arg	Arg Arg Leu Gly Gly		
		290		300
Leu Arg Glu Val His Pro				
305		310		

<210> 2533

<211> 313

<212> PRT

<213> Mus musculus

<400> 2533

Met Arg Asn His Thr Ser	Val Thr Glu Phe Ile Leu	Leu Gly Ile Pro		
1		5		10
Thr Val Lys Glu Gly Leu	Glu Ser Met Leu Phe Ala	Leu Phe Leu Val		
		20		25
Phe Tyr Val Phe Ala Leu	Leu Gly Asn Leu Leu Ile	Phe Leu Thr Ile		
		35		40
Leu Ala Ser Pro Asn Leu	His Thr Pro Met Tyr Phe	Phe Leu Gly Asn		
		50		55
Leu Ala Val Phe Asp Ile	Phe Phe Pro Ser Val Asn	Ser Pro Lys Met		
		65		70
Met Asp Tyr Leu Val Arg	Gln Gly Arg Thr Ile Ser	Tyr Gln Gly Cys		
		85		90
Val Ser Gln Val Phe Phe	Tyr His Thr Leu Gly Gly	Thr Glu Cys Phe		
		100		105
Leu Tyr Thr Val Met Ala	Tyr Asp Arg Phe Val Ala	Ile Cys His Pro		
		115		120
Met Arg Tyr Thr Val Ile	Met Asn His Arg Val Cys	Thr Cys Leu Thr		
		130		135
Leu Gly Thr Trp Val Gly	Gly Phe Val His Gly Ser	Ile Leu Thr Phe		
		145		150
Leu Ile Phe Lys Leu Pro	Tyr Cys Gly Pro Asn Lys	Val Asn Ser Phe		
		165		170
Phe Cys Asp Ile Pro Val	Val Leu Ser Leu Ala Cys	Ala Asp Thr Ser		
		180		185
Leu Ala Arg Thr Val Ser	Phe Thr Asn Val Gly Val	Val Ala Leu Thr		
		195		200
Cys Phe Leu Leu Ile Leu	Thr Ser Tyr Thr Arg Ile	Val Ile Ser Ile		
		210		215
Leu Lys Ile Arg Ser Ser	Glu Gly Arg Arg Arg Ala	Phe Ser Thr Cys		
		225		230
Ser Ala His Leu Thr Ser	Ile Ile Leu Val Tyr Gly	Pro Val Ile Leu		
		245		250
Val Tyr Leu Arg Pro Ala	Ser Ser Pro Trp Leu Asp	Ser Val Val Gln		
		260		265
Val Phe Asn Asn Val Ile	Thr Pro Ser Leu Asn Pro	Leu Ile Tyr Thr		
		275		280
Leu Arg Asn Lys Asp Val	Lys Leu Ala Leu Lys Lys	Val Val Ser Gln		
		290		295
				300

Gly Ala Gln Pro Leu Gly Tyr Lys Glu
 305 310

<210> 2534
 <211> 314
 <212> PRT
 <213> Mus musculus

<400> 2534
 Met Glu Val Cys Asn Ser Thr Leu Arg Ser Gly Phe Ile Leu Met Gly
 1 5 10 15
 Ile Leu Asp Asp Asn Asp Phe Pro Glu Leu Leu Cys Ala Thr Ile Thr
 20 25 30
 Ala Leu Tyr Leu Leu Ala Leu Thr Ser Asn Gly Leu Leu Leu Val
 35 40 45
 Ile Thr Met Asp Ala Arg Leu His Val Pro Met Tyr Leu Leu Leu Trp
 50 55 60
 Gln Leu Ser Leu Met Asp Leu Leu Leu Thr Ser Val Ile Thr Pro Lys
 65 70 75 80
 Ala Ile Leu Asp Tyr Leu Leu Lys Asp Asn Thr Ile Ser Phe Gly Gly
 85 90 95
 Cys Ala Leu Gln Met Phe Leu Ala Leu Thr Leu Gly Thr Ala Glu Asp
 100 105 110
 Leu Leu Leu Ser Phe Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys His
 115 120 125
 Pro Leu Asn Tyr Thr Ile Leu Met Ser Gln Lys Val Cys Cys Leu Met
 130 135 140
 Ile Ala Thr Ser Trp Ser Leu Ala Ser Leu Ser Ala Leu Gly Tyr Ser
 145 150 155 160
 Met Tyr Thr Met Gln Tyr Pro Phe Cys Lys Ser Arg Gln Ile Arg His
 165 170 175
 Leu Phe Cys Glu Ile Pro Pro Leu Leu Lys Leu Ala Cys Ala Asp Thr
 180 185 190
 Ser Thr Tyr Glu Leu Met Val Tyr Leu Met Gly Val Thr Leu Leu Phe
 195 200 205
 Pro Ala Leu Ala Ala Ile Leu Ala Ser Tyr Ser Leu Ile Leu Phe Thr
 210 215 220
 Val Leu His Met Pro Ser Asn Glu Gly Arg Arg Lys Ala Leu Val Thr
 225 230 235 240
 Cys Ser Ser His Leu Thr Val Val Gly Met Trp Phe Gly Gly Ala Ile
 245 250 255
 Val Met Tyr Val Leu Pro Ser Ser Phe His Ser Pro Lys Gln Asp Asn
 260 265 270
 Ile Ser Ser Val Phe Tyr Thr Ile Phe Thr Pro Ala Leu Asn Pro Leu
 275 280 285
 Ile Tyr Ser Leu Arg Asn Lys Glu Val Thr Gly Ala Leu Arg Arg Val
 290 295 300
 Leu Gly Lys Ser Leu Val Ser Thr Val Tyr
 305 310

<210> 2535
 <211> 315
 <212> PRT
 <213> Mus musculus

<400> 2535
 Met Tyr Thr Trp Asn His Thr Asn Met Pro Asp Phe Ile Leu Met Gly

1				5					10					15			
Leu	Thr	Asp	Ser	Lys	Glu	Ile	Gln	Leu	Ile	Leu	Ser	Val	Leu	Phe	Leu		
			20					25					30				
Leu	Ile	Tyr	Leu	Val	Thr	Val	Leu	Gly	Asn	Ile	Gly	Met	Ile	Leu	Ile		
		35					40					45					
Ile	Tyr	Ile	Asp	Thr	Gln	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Thr		
	50					55					60						
His	Leu	Ser	Val	Val	Asp	Leu	Ser	Tyr	Ser	Thr	Ala	Ile	Thr	Pro	Lys		
65					70					75					80		
Thr	Leu	Glu	Asn	Met	Leu	Thr	Thr	Asn	Lys	Ser	Ile	Ser	Tyr	Thr	Asn		
				85					90					95			
Cys	Phe	Ala	Gln	Leu	Tyr	Ile	Phe	Ile	Leu	Leu	Ala	Ala	Thr	Glu	Cys		
			100					105					110				
Phe	Leu	Leu	Ser	Ser	Met	Ala	Tyr	Asp	Arg	Tyr	Ile	Ala	Ile	Cys	Asn		
		115					120					125					
Pro	Leu	His	Tyr	Pro	Val	Ile	Met	Ser	Pro	Arg	Cys	Cys	Leu	Ala	Leu		
	130					135					140						
Leu	Thr	Gly	Ser	Tyr	Val	Ile	Gly	Ala	Val	Asp	Ser	Thr	Leu	Thr	Val		
145					150					155					160		
Phe	Ser	Met	Ile	Thr	Leu	His	Phe	Cys	Lys	Ser	Asn	Val	Ile	Arg	His		
				165					170					175			
Phe	Tyr	Cys	Asp	Thr	Ser	Pro	Leu	Leu	Ser	Leu	Ser	Cys	Ser	Asp	Thr		
			180					185					190				
His	Val	Val	Glu	Ile	Ile	Ile	Phe	Ile	Phe	Ala	Gly	Ser	Thr	Ile	Leu		
		195					200					205					
Gly	Ser	Leu	Ile	Thr	Ile	Ser	Gly	Ser	Tyr	Val	Ser	Ile	Leu	Ser	Thr		
	210					215					220						
Ile	Leu	Asn	Ile	Asn	Ser	Thr	Ser	Gly	Lys	Gln	Lys	Ala	Phe	Ser	Thr		
225					230					235					240		
Cys	Ala	Ser	His	Leu	Leu	Gly	Val	Thr	Val	Phe	Tyr	Ser	Thr	Leu	Ile		
				245					250					255			
Phe	Thr	Tyr	Leu	Lys	Pro	Thr	Lys	Ser	Tyr	Ser	Leu	Gly	Lys	Glu	Glu		
			260					265					270				
Val	Ala	Ser	Val	Phe	Tyr	Thr	Ile	Val	Ile	Pro	Met	Leu	Asn	Pro	Leu		
		275					280					285					
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Lys	Ser	Ala	Val	Val	Arg	Leu		
	290				295						300						
Val	Lys	Thr	Arg	Gln	Gly	Ser	Arg	Lys	Leu	Ile							
305					310					315							

<210> 2536

<211> 317

<212> PRT

<213> Mus musculus

<400> 2536

Met	Lys	Ala	Tyr	Ser	Glu	Ala	Lys	His	Asn	Gly	Thr	Glu	Ala	Thr	Glu		
1				5					10					15			
Phe	Ile	Leu	Leu	Gly	Leu	Ser	Thr	Arg	Pro	Glu	Leu	Gln	Pro	Ile	Leu		
			20					25					30				
Phe	Leu	Val	Phe	Leu	Thr	Ile	Tyr	Leu	Ile	Thr	Leu	Thr	Gly	Asn	Phe		
		35					40					45					
Gly	Met	Ile	Leu	Leu	Ile	Arg	Phe	Thr	Pro	Gln	Leu	Gln	Thr	Pro	Met		
	50					55					60						
Tyr	Phe	Phe	Leu	Thr	His	Leu	Ala	Cys	Val	Asp	Ile	Phe	Tyr	Ser	Thr		
65					70					75					80		
Asn	Val	Ser	Pro	Gln	Met	Leu	Val	Asn	Phe	Leu	Ser	Glu	Lys	Lys	Thr		
				85					90					95			

Ile	Ser	Tyr	Ile	Gly	Cys	Leu	Thr	Gln	Cys	Phe	Val	Phe	Val	Thr	Leu
			100					105					110		
Leu	Leu	Thr	Glu	Tyr	Tyr	Met	Leu	Gly	Ala	Met	Ala	Tyr	Asp	Arg	Tyr
		115					120					125			
Met	Ala	Ile	Cys	Lys	Pro	Leu	His	Tyr	Ser	Thr	Lys	Met	Ser	Arg	Pro
	130					135					140				
Val	Cys	Ile	Cys	Leu	Val	Thr	Phe	Pro	Tyr	Phe	Trp	Gly	Ser	Met	Val
145					150					155					160
Gly	Thr	Met	Gln	Val	Ile	Leu	Thr	Ser	Arg	Leu	Ser	Phe	Cys	Gly	Pro
			165						170					175	
Asn	Thr	Ile	Asn	His	Phe	Tyr	Cys	Ala	Asp	Pro	Pro	Leu	Leu	Met	Leu
			180					185					190		
Thr	Cys	Ser	Asp	Thr	Tyr	Ile	Lys	Gln	Thr	Ala	Leu	Phe	Val	Ser	Ala
		195					200					205			
Gly	Ile	Asn	Leu	Thr	Gly	Ser	Leu	Leu	Ile	Ile	Leu	Ile	Ser	Tyr	Ile
	210					215					220				
Phe	Ile	Phe	Ile	Thr	Ile	Met	Arg	Ile	Arg	Ser	Ser	Glu	Gly	Gln	Arg
225					230					235					240
Lys	Ala	Phe	Ser	Thr	Cys	Gly	Ser	His	Leu	Thr	Ala	Val	Thr	Met	Phe
				245					250					255	
Tyr	Gly	Ser	Leu	Phe	Cys	Met	Tyr	Leu	Arg	Pro	Ala	Asn	Glu	Arg	Ser
			260					265					270		
Val	Glu	Gln	Gly	Lys	Ile	Ile	Ala	Val	Phe	Cys	Ile	Phe	Val	Ser	Pro
		275					280					285			
Met	Val	Asn	Pro	Phe	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Gln
	290					295					300				
Ala	Leu	Arg	Arg	Val	Phe	Ile	Arg	Asn	Leu	Cys	Lys	Val			
305					310					315					

<210> 2537

<211> 314

<212> PRT

<213> Mus musculus

<400> 2537

Met	Glu	Glu	Lys	Asn	Gln	Thr	Val	Met	Pro	Glu	Phe	Leu	Phe	Arg	Gly
1				5				10						15	
Ile	Thr	Asp	Asn	Leu	His	Gln	Lys	Ile	Val	Ile	Phe	Ile	Ile	Phe	Phe
			20					25					30		
Phe	Val	Tyr	Leu	Val	Thr	Leu	Gly	Gly	Asn	Val	Gly	Met	Ile	Thr	Leu
		35					40					45			
Ile	Trp	Leu	Asp	Pro	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser
	50					55					60				
Gln	Leu	Ser	Phe	Val	Asp	Val	Ser	Ser	Ser	Ser	Ser	Ile	Ala	Pro	Lys
65					70					75				80	
Met	Leu	Cys	Asp	Ile	Phe	Ala	Arg	Asn	Lys	Ala	Ile	Ser	Phe	Val	Gly
				85					90					95	
Cys	Ala	Thr	Gln	Met	Trp	Phe	Phe	Gly	Leu	Phe	Val	Ala	Thr	Glu	Cys
			100					105					110		
Phe	Leu	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Ala	Ala	Ile	Cys	Lys
		115					120					125			
Pro	Leu	Leu	Tyr	Thr	Leu	Ile	Met	Ser	Pro	His	Leu	Cys	Met	Leu	Leu
	130					135					140				
Val	Val	Gly	Ile	Tyr	Phe	Ile	Ala	Leu	Ile	Ser	Thr	Met	Ile	His	Thr
145					150					155					160
Thr	Leu	Thr	Phe	Cys	Leu	Pro	Phe	Cys	Gly	Pro	Tyr	Ile	Ile	Asn	His
				165					170					175	
Phe	Phe	Cys	Asp	Val	Ser	Pro	Leu	Leu	Ser	Leu	Ala	Cys	Thr	Asp	Thr

Val	Ala	Ser	Leu	Met	Tyr	Thr	Val	Ile	Ser	Pro	Met	Leu	Asn	Pro	Phe
		275						280				285			
Ile	Tyr	Thr	Leu	Arg	Asn	Lys	Asp	Val	Lys	Gly	Ala	Leu	Gly	Lys	Leu
	290					295					300				
Phe	Asn	Arg	Val	Ala	Ser	Ser	Pro	Ser	Cys	Ile					
305					310					315					

<210> 2539

<211> 318

<212> PRT

<213> Mus musculus

<400> 2539

Met	Lys	Asn	Gln	Ser	Val	Glu	Ile	Ile	Phe	Ile	Leu	Leu	Gly	Leu	Thr
1				5					10					15	
Asp	Asp	Pro	Gln	Leu	Gln	Ile	Leu	Ile	Phe	Leu	Phe	Leu	Phe	Phe	Asn
			20					25					30		
Tyr	Ile	Leu	Ser	Leu	Met	Gly	Asn	Leu	Val	Ile	Ile	Leu	Leu	Thr	Leu
		35					40					45			
Leu	Asp	Pro	Arg	Leu	Lys	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Arg	Asn	Phe
	50					55					60				
Ser	Phe	Leu	Glu	Ile	Ala	Phe	Thr	Thr	Ala	Cys	Ile	Pro	Arg	Phe	Leu
65					70					75					80
Met	Ser	Ile	Leu	Thr	Gly	Asp	Arg	Thr	Ile	Ser	Tyr	Asn	Ala	Cys	Ala
				85					90					95	
Ala	Gln	Phe	Phe	Phe	Phe	Ser	Leu	Leu	Leu	Val	Thr	Glu	Phe	Tyr	Leu
			100					105					110		
Leu	Ala	Ala	Met	Ser	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Arg	Pro	Leu
	115					120						125			
His	Tyr	Pro	Ile	Ile	Met	Asn	Asn	Arg	Met	Cys	His	Leu	Leu	Val	Leu
	130					135					140				
Ser	Cys	Trp	Val	Thr	Gly	Phe	Leu	Ile	Ile	Leu	Pro	Pro	Leu	Val	Leu
145					150					155					160
Gly	Leu	Lys	Leu	Asp	Phe	Cys	Ala	Ser	Lys	Thr	Ile	Asp	His	Phe	Leu
			165						170					175	
Cys	Asp	Thr	Ser	Pro	Leu	Leu	Gln	Leu	Ser	Cys	Thr	Asp	Thr	His	Phe
		180						185				190			
Met	Glu	Leu	Met	Ala	Phe	Val	Ile	Ala	Leu	Met	Thr	Leu	Val	Ile	Thr
	195						200					205			
Leu	Ile	Leu	Val	Ile	Leu	Ser	Tyr	Thr	Leu	Ile	Ile	Lys	Thr	Ile	Leu
	210					215					220				
Lys	Phe	Pro	Ser	Ala	Gln	Gln	Arg	Lys	Lys	Ala	Phe	Ser	Thr	Cys	Ser
225					230					235					240
Ser	His	Met	Val	Val	Val	Ser	Ile	Thr	Tyr	Gly	Ser	Cys	Ile	Phe	Met
			245						250					255	
Tyr	Met	Lys	Thr	Ser	Ala	Lys	Glu	Arg	Val	Ala	Leu	Asn	Lys	Gly	Val
			260					265					270		
Ser	Val	Leu	Asn	Thr	Ser	Val	Ala	Pro	Leu	Leu	Asn	Pro	Phe	Ile	Tyr
		275					280					285			
Thr	Leu	Arg	Asn	Gln	Gln	Val	Lys	Asp	Ala	Phe	Lys	Gln	Val	Leu	His
	290					295					300				
Arg	Leu	Tyr	Ser	His	Asn	Ser	Glu	Leu	Arg	Phe	Arg	Pro	Lys		
305					310					315					

<210> 2540

<211> 312

<212> PRT

<213> Mus musculus

<400> 2540

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Met Arg Asn His Thr Ser Ile Thr Thr Phe Ile Leu Leu Gly Leu Thr
 1      5      10      15
Asp Asp Pro Gln Leu Gln Val Leu Leu Phe Ile Phe Leu Phe Ile Thr
      20      25      30
Tyr Leu Leu Ser Val Thr Gly Asn Leu Thr Ile Ile Thr Leu Thr Thr
      35      40      45
Val Asp Pro Tyr Leu Lys Thr Pro Met Tyr Phe Phe Leu Gln Asn Phe
      50      55      60
Ser Phe Leu Glu Ile Ser Phe Thr Ser Ala Cys Val Pro Arg Phe Leu
65      70      75      80
Tyr Ser Ile Ser Thr Gly Asp Arg Thr Ile Thr Tyr Asn Ala Cys Ala
      85      90      95
Thr Gln Leu Phe Phe Thr Asp Leu Phe Gly Val Thr Glu Phe Phe Leu
      100      105      110
Leu Ala Ile Met Ser Tyr Asp Arg Tyr Val Ala Ile Cys Lys Pro Leu
      115      120      125
His Tyr Met Thr Ile Met Asn Asn Lys Val Cys Arg Ile Met Val Ile
130      135      140
Ser Cys Trp Met Ala Ala Phe Met Ile Ile Leu Pro Pro Leu Ser Leu
145      150      155      160
Gly Phe His Leu Glu Phe Cys Asp Ser Asn Ile Ile Asp His Phe Gly
      165      170      175
Cys Asp Ala Asn Pro Ile Leu Lys Ile Ser Cys Ser Asp Thr Trp Leu
      180      185      190
Ile Glu Gln Met Val Ile Gly Ser Ala Val Leu Thr Phe Ile Ile Thr
195      200      205
Leu Leu Cys Val Val Phe Ser Tyr Met Tyr Ile Ile Arg Thr Val Leu
210      215      220
Lys Phe Pro Ser Ala Gln Lys Arg Lys Ala Phe Ser Thr Cys Ser
225      230      235      240
Ser His Met Ile Val Val Ser Ile Thr Tyr Gly Ser Cys Ile Phe Ile
      245      250      255
Tyr Val Lys Pro Ser Ala Lys Glu Ala Val Thr Ile Asn Lys Gly Val
260      265      270
Ser Val Leu Ile Ser Ser Ile Ser Pro Met Leu Asn Pro Phe Ile Tyr
275      280      285
Thr Leu Arg Asn Lys Gln Val Lys Gln Ala Ser Gln Asp Leu Ile Lys
290      295      300
Lys Ile Ala Phe Leu Leu Lys Lys
305      310
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<210> 2541

<211> 313

<212> PRT

<213> Mus musculus

<400> 2541

```
Met Lys Asn Gln Ser Met Glu Ile Leu Ile Leu Leu Gly Leu Thr Asp
 1      5      10      15
Asp Pro Gln Leu Gln Ile Val Val Phe Leu Phe Leu Phe Leu Asn Tyr
      20      25      30
Val Met Ser Leu Val Gly Asn Leu Ile Ile Val Leu Leu Thr Leu Leu
      35      40      45
Asp Pro Arg Leu Lys Thr Pro Met Tyr Phe Phe Leu Arg Asn Phe Ser
50      55      60
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Phe 65	Leu	Glu	Ile	Met	Phe 70	Thr	Thr	Val	Cys	Ile 75	Pro	Arg	Phe	Leu	Thr 80
Thr	Ile	Val	Thr	Gly 85	Asp	Lys	Thr	Ile	Thr 90	Tyr	Asn	Asn	Cys	Ala 95	Ala
Gln	Leu	Phe	Phe 100	Ile	Leu	Leu	Leu	Gly 105	Val	Thr	Glu	Phe 110	Tyr	Leu	Leu
Ala	Ala	Met 115	Ser	Tyr	Asp	Arg	Tyr 120	Val	Ala	Ile	Cys	Arg 125	Pro	Leu	His
Tyr	Pro 130	Ile	Ile	Met	Asn	Ser	Lys 135	Val	Cys	His	Gln 140	Leu	Val	Leu	Ser
Ser 145	Trp	Val	Thr	Gly	Phe 150	Leu	Ile	Ile	Phe	Pro 155	Pro	Leu	Ala	Met	Gly 160
Leu	Lys	Leu	Asp	Phe 165	Cys	Asp	Ser	Arg	Ile 170	Ile	Asp	His	Phe	Met	Cys
Glu	Thr	Ser	Pro 180	Ile	Leu	Gln	Ile	Ser 185	Cys	Thr	Asp	Thr 190	His	Val	Leu
Glu	Met	Met 195	Ser	Phe	Val	Leu	Ala 200	Val	Val	Thr	Leu	Val 205	Val	Thr	Leu
Val	Leu 210	Val	Ser	Leu	Ser	Tyr 215	Ser	Phe	Ile	Ile	Lys 220	Thr	Ile	Met	Ser
Phe 225	Pro	Ser	Ala	Gln	Gln	Arg	Thr	Lys	Ala	Phe 235	Ser	Thr	Cys	Thr	Ser
His	Met	Phe	Val	Val 245	Ser	Ile	Thr	Tyr	Gly 250	Ser	Cys	Ile	Phe	Met	Tyr
Ile	Lys	Pro	Ser	Ala 260	Arg	Glu	Arg	Val 265	Ser	Val	Ser	Lys	Gly 270	Val	Ala
Leu	Leu	Tyr 275	Thr	Ser	Ile	Ala	Pro 280	Leu	Leu	Asn	Pro	Phe 285	Ile	Tyr	Thr
Leu	Arg 290	Asn	Gln	Gln	Val	Lys 295	Glu	Val	Phe	Trp	Asp 300	Val	Leu	Gln	Lys
Thr 305	Leu	Gly	Phe	Ser	Lys 310	His	Lys	Phe							

<210> 2542
 <211> 313
 <212> PRT
 <213> Mus musculus

<400> 2542

Met 1	Glu	Lys	Glu	Asn 5	Gln	Thr	Ser	Val	Ser 10	Glu	Phe	Leu	Leu	Leu	Gly 15
Phe	Ser	Ser	Trp 20	Pro	Gly	His	Gln	Gly 25	Leu	Leu	Phe	Ala 30	Leu	Phe	Leu
Cys	Leu	Tyr 35	Leu	Thr	Gly	Leu	Phe 40	Gly	Asn	Leu	Leu	Ile 45	Leu	Leu	Ala
Ile	Gly 50	Ser	Asn	Asn	His 55	Leu	His	Thr	Pro	Met	Tyr 60	Phe	Phe	Leu	Ala
Asn 65	Leu	Ser	Leu	Val	Asp 70	Leu	Cys	Leu	Pro	Ser 75	Ala	Thr	Val	Pro	Lys 80
Met	Leu	Leu	Asn 85	Ile	Gln	Thr	Lys	Ser 90	Gln	Ser	Ile	Ser	Tyr 95	Pro	Gly
Cys	Leu	Ala 100	Gln	Met	Tyr	Phe	Cys	Met 105	Met	Phe	Ala	Asn 110	Met	Asp	Asn
Phe	Leu	Leu 115	Thr	Val	Met	Ala	Tyr 120	Asp	Arg	Phe	Val	Ala 125	Ile	Cys	His
Pro	Leu 130	His	Tyr	Thr	Thr	Ile 135	Met	Thr	Pro	Cys	Leu 140	Cys	Thr	Ser	Leu
Val	Ala	Phe	Ser	Trp	Val	Ile	Ala	Thr	Phe	Asn	Pro	Leu	Leu	His	Thr

145					150					155					160
Leu	Met	Met	Ala	Arg	Leu	His	Phe	Cys	Ser	Glu	Asn	Ile	Ile	His	His
				165					170					175	
Phe	Phe	Cys	Asp	Ile	Asn	Ser	Leu	Leu	Pro	Leu	Ser	Cys	Ser	Asp	Thr
			180					185					190		
Ser	Leu	Asn	Gln	Leu	Met	Val	Leu	Ser	Val	Val	Gly	Leu	Ile	Phe	Val
		195					200					205			
Val	Pro	Ser	Val	Cys	Ile	Leu	Ala	Ser	Tyr	Gly	Arg	Ile	Val	Ser	Ala
	210					215					220				
Val	Met	Lys	Ile	Thr	Ser	Met	Glu	Gly	Lys	Leu	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Gly	Ser	His	Leu	Ala	Leu	Val	Ile	Leu	Phe	Tyr	Gly	Ala	Ile	Ala
				245					250					255	
Gly	Ile	Tyr	Met	Ser	Pro	Ser	Ser	Asn	His	Ser	Thr	Glu	Lys	Asp	Ser
			260					265					270		
Ala	Ala	Ser	Val	Ile	Phe	Met	Val	Val	Ala	Pro	Val	Leu	Asn	Pro	Phe
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Asn	Glu	Leu	Lys	Gly	Thr	Leu	Lys	Lys	Thr
	290				295						300				
Leu	Gly	Gln	Ser	Lys	Ile	Cys	Ser	Lys							
305					310										

<210> 2543

<211> 280

<212> PRT

<213> Mus musculus

<400> 2543

Leu	Leu	Thr	Leu	Met	Gly	Asn	Leu	Gly	Ile	Leu	Val	Val	Ile	Lys	Val
1				5					10					15	
Asn	Pro	Lys	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Asn	His	Leu	Ser
			20					25					30		
Phe	Leu	Asp	Ile	Cys	Tyr	Ser	Ser	Val	Phe	Thr	Pro	Lys	Leu	Leu	Gln
		35					40					45			
Ile	Leu	Ile	Met	Glu	Asp	Gly	Thr	Ile	Ser	Phe	Ile	Gly	Cys	Met	Ile
	50					55					60				
Gln	Phe	Phe	Phe	Ile	Cys	Thr	Phe	Val	Ile	Thr	Glu	Ile	Phe	Met	Leu
65					70					75					80
Ala	Val	Met	Ala	Tyr	Asp	Arg	Phe	Val	Ala	Val	Cys	Asn	Pro	Leu	Tyr
				85					90					95	
Tyr	Thr	Leu	Ile	Val	Met	Pro	Ile	Gln	Phe	Cys	Ala	Leu	Leu	Val	Ala
			100					105					110		
Gly	Thr	Tyr	Met	Ile	Ser	Gly	Leu	Cys	Thr	Leu	Ile	Ile	Leu	Tyr	Thr
		115					120					125			
Leu	Leu	Gln	Leu	Cys	Tyr	Phe	Glu	His	Gly	Ile	Ile	Asn	His	Phe	Gly
	130					135					140				
Cys	Glu	Tyr	Ser	Ala	Val	Ile	Ser	Val	Ser	Cys	Ser	Asp	Ser	Ser	Phe
145					150					155					160
Ser	Gln	Leu	Ile	Cys	Leu	Val	Met	Ser	Ile	Ala	Ser	Glu	Phe	Ser	Ser
				165					170					175	
Val	Leu	Ile	Thr	Leu	Ala	Ser	Tyr	Val	Phe	Ile	Val	Val	Thr	Ile	Ile
			180					185					190		
Lys	Met	Pro	Ser	Lys	Gly	Gly	Leu	Gln	Lys	Ala	Phe	Ser	Thr	Cys	Thr
		195					200						205		
Ser	His	Leu	Thr	Ala	Ile	Thr	Ile	Phe	His	Gly	Ile	Leu	Leu	Leu	Leu
	210					215					220				
Tyr	Cys	Ile	Pro	Asn	Ser	Asn	Ser	Ser	Arg	Leu	Phe	Val	Lys	Val	Ala
225					230					235					240

Thr	Ala	Leu	Tyr	Thr	Ile	Met	Ile	Pro	Met	Leu	Asn	Pro	Leu	Ile	Tyr
				245					250					255	
Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Asp	Thr	Val	Arg	Arg	Leu	Ile	Ser
			260					265					270		
Ser	Lys	Leu	His	Ser	His	Leu	Thr								
		275					280								

<210> 2544
 <211> 313
 <212> PRT
 <213> Mus musculus

<400> 2544

Leu	Tyr	Ser	Ile	Gln	Glu	Asn	Gln	Ser	Ser	Thr	Val	Thr	Phe	Ile	Leu
1				5					10					15	
Val	Gly	Phe	Ser	Glu	Tyr	Pro	Asp	Ile	Gln	Leu	Pro	Leu	Phe	Leu	Leu
			20					25					30		
Phe	Leu	Thr	Ile	Tyr	Thr	Val	Thr	Val	Leu	Gly	Asn	Leu	Gly	Met	Ile
		35					40					45			
Ala	Ile	Ile	Arg	Leu	Ser	Pro	Lys	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe
	50					55					60				
Leu	Ser	His	Leu	Ser	Phe	Val	Asp	Phe	Cys	Tyr	Ser	Thr	Val	Val	Thr
65					70				75						80
Pro	Lys	Leu	Leu	Glu	Asn	Leu	Ile	Val	Glu	Asp	Arg	Arg	Ile	Ser	Phe
				85					90					95	
Thr	Gly	Cys	Val	Met	Gln	Phe	Phe	Phe	Val	Cys	Ile	Phe	Val	Val	Thr
			100					105					110		
Glu	Thr	Phe	Met	Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg	Phe	Val	Ala	Val
		115					120					125			
Cys	Asn	Pro	Leu	Leu	Tyr	Thr	Val	Ala	Met	Ser	Gln	Lys	Leu	Cys	Trp
	130						135				140				
Ser	Leu	Val	Ala	Gly	Ser	Tyr	Ser	Trp	Gly	Ile	Ile	Cys	Ser	Phe	Val
145					150					155					160
Phe	Ile	His	Phe	Met	Leu	Thr	Leu	Val	Phe	Cys	Gly	Thr	Lys	Phe	Ile
				165					170					175	
Asn	Asn	Phe	Val	Cys	Glu	His	Asp	Ala	Ile	Val	Ala	Val	Ser	Cys	Ser
		180						185					190		
Asp	Pro	Phe	Ile	Ser	Gln	Lys	Val	Ile	Phe	Ile	Phe	Ala	Thr	Phe	Asn
		195					200					205			
Glu	Leu	Ser	Ser	Leu	Met	Ile	Ile	Leu	Thr	Ser	Tyr	Val	Phe	Ile	Val
	210					215					220				
Ile	Thr	Val	Met	Lys	Met	Pro	Thr	Thr	Gly	Gly	Arg	Tyr	Lys	Val	Phe
225					230					235					240
Ser	Thr	Cys	Ala	Ser	His	Leu	Thr	Thr	Ile	Thr	Ile	Phe	His	Ser	Ile
				245					250					255	
Ile	Ile	Cys	Leu	Tyr	Cys	Val	Pro	Thr	Thr	Lys	Ser	Ser	Trp	Leu	Leu
			260					265					270		
Val	Met	Val	Ala	Ser	Val	Phe	Tyr	Thr	Val	Val	Ile	Pro	Met	Leu	Asn
		275					280					285			
Pro	Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Asp	Ala	Val	Lys
	290					295					300				
Lys	Leu	Met	Cys	Ser	Ser	Leu	Ser	Ser							
305					310										

<210> 2545
 <211> 312
 <212> PRT

<213> Mus musculus

<400> 2545

Gln	Leu	Arg	Asp	Arg	Gly	Asn	Gln	Thr	Asn	Ser	Val	Ile	Phe	Ile	Leu
1				5					10					15	
Leu	Gly	Phe	Ser	Glu	Tyr	Pro	Asp	Leu	Gln	Val	Pro	Leu	Phe	Phe	Val
			20					25					30		
Phe	Leu	Ile	Ile	Tyr	Thr	Ile	Thr	Val	Leu	Gly	Asn	Leu	Gly	Met	Ile
		35					40					45			
Gly	Ile	Ile	Arg	Ile	Asn	Thr	Lys	Leu	Arg	Ser	Thr	Pro	Met	Tyr	Phe
	50					55					60				
Phe	Leu	Ser	His	Leu	Ser	Phe	Val	Asp	Phe	Cys	Tyr	Ser	Thr	Val	Val
65					70					75					80
Thr	Pro	Lys	Leu	Leu	Glu	Asn	Leu	Ile	Ile	Glu	Asp	Arg	Thr	Ile	Ser
				85					90					95	
Phe	Ser	Gly	Cys	Ile	Ile	Gln	Phe	Phe	Phe	Ala	Cys	Thr	Phe	Val	Val
			100					105					110		
Thr	Glu	Thr	Tyr	Met	Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg	Phe	Val	Ala
		115					120					125			
Val	Cys	Asn	Pro	Leu	Leu	Tyr	Thr	Val	Ala	Met	Ser	Pro	Lys	Leu	Cys
	130					135					140				
Ser	Ile	Leu	Val	Gly	Ala	Ser	Tyr	Ser	Trp	Gly	Leu	Ile	Cys	Ser	Leu
145					150					155					160
Thr	Leu	Thr	Tyr	Phe	Leu	Leu	Arg	Leu	Ser	Phe	Gln	Gly	Ile	Asn	Ile
				165					170					175	
Ile	Asn	Asn	Phe	Val	Cys	Glu	His	Ala	Ala	Ile	Val	Ala	Val	Ser	Cys
			180					185					190		
Ser	Asp	Pro	Tyr	Ile	Ser	Gln	Glu	Ile	Ile	Phe	Val	Ser	Ala	Ser	Phe
		195					200					205			
Asn	Glu	Ile	Ser	Ser	Leu	Ile	Ile	Ile	Leu	Thr	Ser	Tyr	Val	Phe	Ile
	210					215						220			
Phe	Ile	Thr	Val	Met	Lys	Met	Ser	Ser	Ile	Gly	Gly	Arg	Ser	Lys	Ala
225					230					235					240
Phe	Ser	Thr	Cys	Ala	Ser	His	Leu	Thr	Ala	Ile	Ile	Ile	Phe	His	Gly
				245					250					255	
Thr	Ile	Leu	Phe	Leu	Tyr	Cys	Val	Pro	Asn	Thr	Lys	Ser	Ser	Trp	Leu
		260						265					270		
Met	Val	Lys	Val	Ala	Ser	Val	Phe	Tyr	Thr	Val	Phe	Ile	Pro	Met	Leu
		275					280					285			
Asn	Pro	Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Glu	Ser	Val
	290					295					300				
Arg	Lys	Leu	Val	Thr	Lys	Ser	Leu								
305					310										

<210> 2546

<211> 312

<212> PRT

<213> Mus musculus

<400> 2546

Met	Glu	Pro	Gly	Asn	Gln	Thr	Gly	Ala	Tyr	Tyr	Phe	Tyr	Leu	Thr	Glu
1				5					10					15	
Leu	Thr	Ser	Asp	Pro	Thr	Met	Glu	Leu	Leu	Ile	Phe	Ser	Leu	Phe	Leu
			20					25					30		
Phe	Ile	Tyr	Leu	Val	Thr	Ile	Leu	Gly	Asn	Leu	Leu	Ile	Ile	Ile	Ala
		35					40					45			
Val	Ser	Ser	Asp	Ser	His	Leu	Gln	Thr	Pro	Met	Tyr	His	Phe	Leu	Ser
	50					55					60				

Lys	Leu	Ser	Phe	Ala	Asp	Ile	Cys	Leu	Ser	Thr	Thr	Thr	Ile	Pro	Asn
65					70					75				80	
Met	Leu	Lys	Asn	Ile	His	Thr	Gln	Asp	Gln	Ser	Ile	Ser	Tyr	Thr	Gly
			85						90					95	
Cys	Leu	Ile	Gln	Ala	Cys	Phe	Val	Leu	Asn	Phe	Ala	Leu	Val	Glu	Ser
			100						105					110	
Cys	Ile	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Ala	Ala	Ile	Cys	His
		115					120						125		
Pro	Leu	Asn	Tyr	Thr	Val	Ile	Met	Asn	Pro	His	Phe	Cys	Asp	Leu	Leu
	130					135					140				
Ile	Leu	Leu	Ser	Leu	Ile	Ile	Ser	Ile	Val	Asn	Ser	Leu	Leu	Gln	Cys
145					150					155				160	
Leu	Met	Ile	Leu	Arg	Leu	Ser	Phe	Cys	Thr	Asn	Asn	Glu	Leu	Pro	Leu
				165					170					175	
Phe	Phe	Cys	Glu	Leu	Ala	Gln	Val	Ile	Lys	Leu	Ala	Cys	Ser	Asp	Thr
			180						185					190	
Leu	Ile	Asn	Tyr	Ile	Leu	Ile	Tyr	Leu	Ala	Thr	Phe	Ile	Phe	Gly	Gly
		195					200					205			
Ile	Pro	Ile	Phe	Gly	Ile	Ile	Phe	Ser	Tyr	Thr	Arg	Ile	Val	Ser	Ser
	210					215					220				
Ile	Leu	Lys	Ile	Ser	Ser	Leu	Arg	Gly	Lys	Tyr	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Gly	Ser	His	Leu	Ser	Val	Val	Ser	Leu	Phe	Tyr	Gly	Ala	Gly	Val
				245					250					255	
Gly	Val	Tyr	Ile	Ser	Ser	Ser	Ile	Ala	Val	Phe	Pro	Gln	Thr	Thr	Thr
			260					265					270		
Val	Ser	Tyr	Ile	Met	Tyr	Thr	Val	Leu	Pro	Gln	Met	Leu	Asn	Pro	Phe
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Met	Lys	Glu	Ala	Leu	Arg	Lys	Leu
	290				295						300				
Ile	Ala	Lys	Glu	Ser	Arg	Leu	Pro								
305					310										

<210> 2547

<211> 309

<212> PRT

<213> Mus musculus

<400> 2547

Val	Leu	Leu	Asn	His	Thr	Phe	Ile	Thr	Glu	Phe	Leu	Leu	Leu	Gly	Val
1				5					10					15	
Thr	Asp	Ile	Gln	Glu	Leu	Asn	Pro	Ile	Leu	Phe	Val	Met	Val	Leu	Ala
			20					25					30		
Met	Tyr	Phe	Ile	Asn	Val	Phe	Gly	Asn	Gly	Ala	Ile	Met	Met	Ile	Val
		35					40					45			
Ile	Leu	Asp	Ser	Arg	Leu	Tyr	Ser	Pro	Met	Tyr	Phe	Phe	Leu	Gly	Asn
	50					55				60					
Leu	Ala	Cys	Leu	Asp	Ile	Cys	Phe	Ser	Thr	Val	Thr	Val	Pro	Lys	Met
65				70					75					80	
Leu	Glu	Asn	Phe	Phe	Ser	Thr	Ser	Lys	Ala	Ile	Ser	Phe	Leu	Gly	Cys
				85					90					95	
Ile	Thr	Gln	Leu	His	Phe	Phe	His	Phe	Leu	Gly	Cys	Thr	Asp	Ala	Leu
			100					105					110		
Leu	Leu	Thr	Val	Met	Ala	Phe	Asp	Arg	Phe	Val	Ala	Ile	Cys	Arg	Pro
		115					120					125			
Leu	His	Tyr	Pro	Ser	Ile	Met	Asn	Arg	Gln	Val	Cys	Ile	Gln	Val	Ala
	130					135					140				
Ala	Thr	Ile	Trp	Ala	Ile	Pro	Phe	Leu	His	Ala	Leu	Val	His	Ser	Ile

145					150					155					160
Met	Thr	Ser	Gln	Leu	Asn	Phe	Cys	Gly	Ser	Asn	Arg	Ile	His	His	Phe
				165					170					175	
Phe	Cys	Asp	Val	Lys	Pro	Leu	Leu	Glu	Leu	Ala	Cys	Gly	Asn	Thr	Glu
			180					185					190		
Leu	Asn	Arg	Trp	Leu	Leu	Asn	Thr	Leu	Ala	Gly	Thr	Ile	Gly	Ile	Gly
		195					200					205			
Leu	Phe	Phe	Leu	Thr	Phe	Leu	Ser	Tyr	Phe	Tyr	Ile	Val	Thr	Tyr	Leu
	210					215					220				
Phe	Leu	Lys	Thr	His	Ser	Cys	Ser	Met	Leu	His	Lys	Ala	Leu	Ser	Thr
225					230					235					240
Cys	Ala	Ser	His	Phe	Met	Val	Val	Met	Ile	Phe	Tyr	Ala	Pro	Val	Leu
				245					250					255	
Phe	Ile	Tyr	Ile	Asn	Pro	Asp	Ser	Gly	Ser	Ser	Leu	Glu	Lys	Asp	Arg
			260					265					270		
Ile	Ile	Ala	Val	Met	Tyr	Thr	Val	Val	Thr	Pro	Ala	Leu	Asn	Pro	Leu
		275					280					285			
Ile	Tyr	Ala	Leu	Arg	Asn	Lys	Glu	Val	Arg	Cys	Ala	Leu	Asn	Arg	Lys
	290					295					300				
Leu	Arg	Ile	Leu	Ile											
305															

<210> 2548
 <211> 305
 <212> PRT
 <213> Mus musculus

<400> 2548

Met	Arg	Asn	His	Ser	Ala	Val	His	Glu	Phe	Val	Leu	Leu	Gly	Leu	Ser
1				5					10					15	
Thr	Asp	Pro	His	Ile	Gln	Pro	Ala	Leu	Phe	Val	Leu	Phe	Leu	Leu	Val
			20					25					30		
Tyr	Leu	Leu	Thr	Val	Val	Gly	Asn	Ser	Leu	Met	Leu	Leu	Val	Ile	Val
		35				40						45			
Ala	Asp	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Arg	Gln	Leu
	50					55					60				
Ser	Phe	Leu	Asp	Leu	Cys	His	Ser	Ser	Val	Thr	Ala	Pro	Lys	Met	Leu
65					70				75					80	
Glu	Asn	Leu	Leu	Ser	Glu	Glu	Lys	Thr	Ile	Leu	Val	Glu	Ser	Cys	Leu
			85						90				95		
Ala	Gln	Ala	Phe	Phe	Val	Phe	Ala	Thr	Gly	Gly	Thr	Glu	Ala	Cys	Leu
			100					105					110		
Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Gly	Ser	Pro	Leu
		115					120					125			
Leu	Tyr	Ser	Gln	Val	Met	Ser	Ser	Gln	Leu	Cys	Val	Gly	Leu	Val	Trp
	130					135					140				
Leu	Ser	Trp	Cys	Leu	Ala	Val	Val	Asp	Ala	Leu	Leu	Asn	Thr	Leu	Pro
145					150					155					160
Ala	Val	Ser	Leu	Asp	Phe	Cys	Glu	Asp	Gln	Thr	Ile	Ser	His	Phe	Ser
				165					170					175	
Cys	Glu	Leu	Ser	Ser	Leu	Phe	Pro	Leu	Ser	Cys	Ser	Asp	Thr	Ala	Ala
			180					185					190		
Asn	Phe	Thr	Leu	Leu	Leu	Cys	Ser	Ser	Val	Val	His	Phe	Phe	Gly	Thr
		195					200					205			
Leu	Val	Met	Ile	Val	Cys	Ser	Tyr	Gly	Arg	Ile	Val	Thr	Thr	Val	Leu
	210					215						220			
Arg	Val	Ser	Ser	Ser	Thr	Gly	Arg	Ser	Lys	Ala	Phe	Ser	Thr	Cys	Leu
225					230					235					240

<210> 2550
 <211> 316
 <212> PRT
 <213> Mus musculus

<400> 2550
 Met Asn Met Thr Asn Asn Thr Met Val Thr Glu Phe Thr Leu Leu Gly
 1 5 10 15
 Ile Pro Glu Thr Glu Gly Leu Glu Asn Val Leu Leu Phe Leu Phe Ser
 20 25 30
 Thr Leu Tyr Ala Cys Ala Leu Leu Gly Asn Leu Leu Leu Leu Thr Ala
 35 40 45
 Val Thr Ser Ser Pro Arg Leu His Thr Pro Met Tyr Phe Phe Leu Ser
 50 55 60
 Asn Leu Ser Ile Ser Asp Met Gly Phe Cys Ser Thr Thr Ala Pro Lys
 65 70 75 80
 Met Leu Ser Tyr Leu Ser Gly Arg Gly Gly Gly Ile Ser Phe Gln Gly
 85 90 95
 Cys Val Val Gln His Phe Phe Tyr His Cys Ile Gly Cys Val Leu Cys
 100 105 110
 Phe Leu Tyr Thr Val Met Ala Tyr Asp Arg Phe Val Ala Ile Cys Phe
 115 120 125
 Pro Leu Arg Tyr Thr Ile Ile Met Asn His Arg Val Cys Cys Val Leu
 130 135 140
 Ala Thr Gly Thr Trp Met Ser Gly Cys Val His Ala Thr Ile Leu Thr
 145 150 155 160
 Cys Leu Thr Phe Gln Leu Pro Tyr Cys Gly Pro Ser Glu Val Ser Tyr
 165 170 175
 Tyr Phe Cys Asp Met Pro Ala Val Leu Leu Leu Ala Cys Glu Asp Ser
 180 185 190
 Ser Leu Ala Gln Arg Val Gly Phe Thr Asn Val Gly Leu Leu Ser Leu
 195 200 205
 Ile Cys Phe Phe Leu Ile Val Val Ser Tyr Thr Arg Ile Gly Ile Ser
 210 215 220
 Ile Ser Lys Ile Arg Ser Thr Glu Gly Arg Gln Arg Ala Phe Ser Thr
 225 230 235 240
 Cys Ser Ala His Leu Thr Ala Ile Met Cys Val Tyr Gly Pro Val Ile
 245 250 255
 Val Ile Tyr Leu Gln Pro Asn Pro Ser Pro Leu Leu Ser Ala Ile Ile
 260 265 270
 Gln Ile Phe Asn Asn Leu Val Thr Pro Thr Ile Asn Pro Leu Ile Tyr
 275 280 285
 Ser Leu Arg Asn Lys Asp Val Lys Ala Ala Leu Arg His Val Phe Leu
 290 295 300
 Lys Arg Cys Leu Ser Leu Glu Val Asn Glu Asn Ile
 305 310 315

<210> 2551
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 <212> PRT
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<400> 2551
 Leu Ser Pro Glu Asn Ser Ser Thr Ile Thr Glu Leu Val Leu Val Gly
 1 5 10 15
 Phe Ser Asp Gln Pro Gln Thr Glu Leu Pro Leu Phe Val Phe Phe Ser
 20 25 30

Leu	Val	Tyr	Leu	Ala	Ser	Cys	Leu	Gly	Asn	Thr	Ala	Val	Val	Ile	Leu
	35						40					45			
Val	Ala	Leu	Asp	Val	Ser	Leu	Gln	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Cys
	50					55					60				
His	Leu	Ala	Phe	Leu	Asn	Gly	Phe	Phe	Gly	Thr	Val	Val	Thr	Pro	Lys
65					70					75					80
Met	Leu	Phe	Asn	Phe	Leu	Ala	Ser	Arg	Lys	Val	Ile	Ser	Tyr	Pro	Phe
			85						90					95	
Cys	Leu	Ala	Gln	Thr	Tyr	Leu	Thr	Leu	Phe	Leu	Glu	Ser	Thr	Glu	Cys
			100						105					110	
Phe	Leu	Leu	Ala	Val	Met	Ala	Ile	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Tyr
		115					120					125			
Pro	Leu	Arg	Tyr	Leu	Leu	Ile	Met	Ser	Trp	Ala	Val	Cys	Ile	Ala	Leu
	130					135						140			
Ala	Val	Ala	Val	Trp	Val	Thr	Gly	Phe	Cys	Ala	Ser	Val	Leu	Pro	Leu
145					150					155					160
Cys	Phe	Met	Ile	Leu	Pro	Leu	Cys	Gly	Pro	Tyr	Val	Val	Asp	Tyr	Leu
			165						170					175	
Phe	Cys	Glu	Leu	Pro	Ile	Leu	Leu	His	Leu	Phe	Cys	Ala	Asp	Thr	Ser
		180						185					190		
Leu	Gln	Glu	Ala	Met	Met	Ala	Val	Gly	Gly	Ala	Gly	Thr	Val	Leu	Val
	195						200					205			
Pro	Phe	Leu	Leu	Ile	Ala	Leu	Ser	Tyr	Leu	Arg	Ile	Leu	Val	Thr	Val
	210					215					220				
Ile	Arg	Ile	Asp	Ser	Ala	Glu	Gly	Arg	Lys	Lys	Ala	Phe	Ser	Thr	Cys
225				230						235					240
Ala	Ser	His	Leu	Ala	Val	Val	Thr	Ile	Tyr	Tyr	Gly	Thr	Gly	Leu	Ile
			245						250					255	
Arg	Tyr	Leu	Arg	Pro	Lys	Ser	Leu	Tyr	Ser	Ala	Glu	Gly	Asp	Lys	Leu
		260						265					270		
Ile	Ser	Val	Phe	Tyr	Ala	Val	Ile	Gly	Pro	Ala	Leu	Asn	Pro	Phe	Ile
		275					280					285			
Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Gln	Gly	Ala	Val	Arg	Arg	Val	Val
	290				295						300				
Glu	Arg	Tyr	Arg	Lys	Ser	Pro	Arg	Ile	Ala	Phe					
305					310					315					

<210> 2552

<211> 311

<212> PRT

<213> Mus musculus

<400> 2552

Met	Gly	Asn	His	Ser	Thr	Val	Thr	Thr	Phe	Leu	Leu	Trp	Gly	Phe	Ser
1				5					10					15	
Ser	Phe	Pro	Glu	Leu	His	Asn	Leu	Leu	Phe	Val	Val	Ile	Leu	Leu	Ser
			20					25					30		
His	Val	Thr	Ile	Leu	Leu	Ala	Asn	Ala	Ser	Ile	Met	Val	Ala	Ile	Lys
		35					40					45			
Leu	Asn	His	Asn	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Phe	Ala	Leu
	50					55				60					
Ser	Phe	Ser	Glu	Thr	Cys	Thr	Thr	Met	Val	Ile	Leu	Pro	Arg	Met	Leu
65					70					75					80
Val	Asp	Leu	Leu	Ser	Glu	Ser	Lys	Ala	Ile	Ser	Leu	Pro	Glu	Cys	Ala
				85					90					95	
Thr	Gln	Met	Phe	Phe	Phe	Phe	Gly	Leu	Ala	Ala	Asn	Asn	Cys	Phe	Ile
			100				105						110		
Met	Ala	Ala	Met	Ser	Tyr	Asp	Arg	Tyr	Thr	Ala	Ile	His	Ser	Pro	Leu

Ser	Thr	Phe	Ser	Leu	Leu	Val	Ser	Ser	Tyr	Val	Ile	Ile	Leu	Val	Thr
210						215					220				
Val	Trp	Phe	Lys	Ser	Ser	Ala	Ala	Met	Ala	Lys	Ala	Phe	Ser	Thr	Leu
225					230					235					240
Ala	Ala	His	Ile	Met	Val	Val	Val	Leu	Phe	Phe	Gly	Pro	Cys	Ile	Phe
				245					250					255	
Ile	Tyr	Val	Trp	Pro	Phe	Thr	Thr	Tyr	Pro	Val	Asp	Lys	Ile	Leu	Ala
			260					265					270		
Ile	Phe	Tyr	Thr	Val	Phe	Thr	Pro	Ile	Leu	Asn	Pro	Ile	Ile	Tyr	Thr
			275				280					285			
Leu	Arg	Asn	Arg	Asp	Met	Lys	Ala	Val	Met	Gly	Lys	Ile	Ala	Ala	His
		290				295					300				
Tyr	Leu	Arg	Pro	Pro	Lys	Val	Ala	Glu	Met	Ser	Phe	Val	Ala	Arg	Ile
305					310					315					320
Ser	Leu	Tyr													

<210> 2554
 <211> 321
 <212> PRT
 <213> Mus musculus

<400> 2554

Met	Ala	Thr	Ala	Val	His	Arg	Asn	Gly	Ser	Leu	Thr	Pro	Val	Ser	Leu
1				5					10					15	
Gln	Ala	Phe	Val	Leu	Val	Gly	Phe	Gly	Gly	Gly	Ala	Glu	Thr	Gln	Ala
			20					25					30		
Leu	Leu	Phe	Ala	Val	Phe	Leu	Val	Leu	Tyr	Met	Val	Thr	Val	Leu	Gly
		35					40					45			
Asn	Leu	Thr	Met	Ile	Val	Val	Ile	Thr	Leu	Asp	Ala	Arg	Leu	His	Ser
		50				55					60				
Pro	Met	Tyr	Phe	Phe	Leu	Lys	Asn	Leu	Ser	Phe	Val	Asp	Phe	Cys	Tyr
65					70					75					80
Ser	Ser	Val	Ile	Ala	Pro	Lys	Ala	Met	Ala	Asn	Phe	Tyr	Ser	Ser	Lys
				85					90					95	
Val	Ile	Gly	Val	Ala	Gly	Cys	Ala	Ala	Gln	Leu	Phe	Phe	Phe	Ser	Phe
			100					105					110		
Leu	Gly	Thr	Ser	Glu	Ala	Leu	Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg	
		115					120				125				
Phe	Met	Ala	Ile	Cys	Ser	Pro	Leu	His	Tyr	Pro	Val	Thr	Met	Ser	Ser
	130					135					140				
Thr	Val	Cys	Ala	Cys	Leu	Val	Leu	Ala	Ala	Tyr	Phe	Gly	Gly	Cys	Leu
145					150					155					160
Asn	Ser	Ile	Val	Glu	Thr	Ser	Leu	Thr	Phe	Gln	Leu	Pro	Phe	Cys	Gly
				165					170					175	
Ser	Asn	His	Ile	Asp	His	Phe	Phe	Cys	Asp	Val	Pro	Pro	Leu	Leu	Gln
			180					185					190		
Ile	Ala	Cys	Ala	Asn	Thr	Ser	Val	Asn	Glu	Leu	Val	Met	Phe	Ala	Ile
		195					200					205			
Cys	Gly	Phe	Ile	Leu	Met	Gly	Ala	Thr	Leu	Val	Ile	Leu	Ile	Ser	Tyr
	210					215					220				
Gly	Tyr	Ile	Thr	Val	Thr	Ile	Leu	Ser	Met	His	Ser	Gly	Ser	Arg	Arg
225					230					235					240
His	Lys	Val	Phe	Ser	Thr	Cys	Gly	Ser	His	Leu	Thr	Ala	Val	Ser	Leu
				245					250					255	
Phe	Tyr	Gly	Thr	Gly	Ile	Ala	Ile	Tyr	Gly	Gln	Pro	Gly	Gly	Leu	Ala
			260					265					270		
Ser	Lys	Glu	Gln	Gly	Lys	Val	Val	Ser	Ile	Phe	Tyr	Thr	Leu	Val	Ile

	275		280		285
Pro	Leu	Leu	Asn	Pro	Leu
	290		295		300
Asp	Ala	Leu	Glu	Arg	Leu
305			310		315
Ile					

<210> 2555
 <211> 319
 <212> PRT
 <213> Mus musculus

<400> 2555	Met	Ala	Thr	Ala	Val	His	Arg	Asn	Gly	Ser	Leu	Thr	Pro	Val	Ser	Leu
1					5					10					15	
Arg	Val	Phe	Val	Leu	Val	Gly	Phe	Gly	Gly	Gly	Ala	Leu	Thr	Gln	Ala	
			20					25					30			
Leu	Leu	Phe	Ala	Val	Phe	Leu	Val	Leu	Tyr	Val	Val	Thr	Val	Leu	Gly	
		35				40						45				
Asn	Leu	Thr	Met	Ile	Val	Val	Ile	Thr	Leu	Asp	Ala	Arg	Leu	His	Ser	
	50					55				60						
Pro	Met	Tyr	Phe	Phe	Leu	Lys	Asn	Leu	Ser	Phe	Val	Asp	Leu	Cys	Tyr	
65					70					75					80	
Ser	Ser	Ala	Ile	Ala	Pro	Asn	Ala	Leu	Ala	Asn	Phe	Leu	Ser	Thr	Ser	
				85					90					95		
Lys	Val	Ile	Ser	Phe	Glu	Ala	Cys	Ala	Thr	Gln	Phe	Phe	Phe	Phe	Ser	
			100					105						110		
Leu	Leu	Ala	Thr	Thr	Glu	Thr	Phe	Leu	Leu	Ala	Val	Met	Ala	Tyr	Asp	
		115						120					125			
Arg	Phe	Met	Ala	Ile	Cys	Ser	Pro	Leu	Arg	Tyr	Pro	Val	Thr	Met	Cys	
	130					135					140					
Pro	Thr	Thr	Cys	Thr	Arg	Leu	Val	Leu	Gly	Thr	Phe	Cys	Val	Gly	Cys	
145					150					155					160	
Leu	Asn	Ser	Ile	Val	Gln	Thr	Ser	Leu	Thr	Phe	Gln	Leu	Pro	Phe	Cys	
				165					170					175		
Ser	Ser	Asn	Arg	Ile	Asp	His	Phe	Tyr	Cys	Asp	Val	Pro	Pro	Leu	Leu	
			180					185					190			
Gln	Leu	Ala	Cys	Ala	Ser	Thr	Ala	Leu	Asn	Glu	Leu	Phe	Leu	Phe	Gly	
		195					200					205				
Leu	Cys	Gly	Phe	Ile	Ile	Val	Ser	Thr	Thr	Leu	Ala	Val	Leu	Val	Ser	
	210					215					220					
Tyr	Gly	Tyr	Ile	Thr	Val	Thr	Ile	Leu	Arg	Met	His	Ser	Gly	Ser	Gly	
225					230					235					240	
Arg	His	Lys	Val	Phe	Ser	Thr	Cys	Gly	Ser	His	Leu	Thr	Ala	Val	Ser	
				245						250				255		
Leu	Phe	Tyr	Gly	Thr	Leu	Phe	Val	Met	Tyr	Ala	Gln	Pro	Gly	Ala	Leu	
			260					265					270			
Thr	Ser	Met	Glu	Gln	Gly	Lys	Val	Val	Ser	Ile	Phe	Tyr	Thr	Leu	Val	
		275					280					285				
Ile	Pro	Met	Leu	Asn	Pro	Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	
	290					295					300					
Lys	Asp	Ala	Leu	Gln	Arg	Leu	Gly	Gln	Arg	His	Ser	Leu	Val	Lys		
305					310					315						

<210> 2556
 <211> 313

<212> PRT

<213> Mus musculus

<400> 2556

Met	Gly	Thr	Val	Cys	Asn	Asp	Thr	His	Gly	Asp	Phe	Ile	Leu	Arg	Gly
1				5					10					15	
Phe	Ser	Asp	Lys	Pro	Tyr	Leu	Glu	Lys	Val	Leu	Phe	Gly	Val	Ile	Leu
			20					25					30		
Val	Phe	Tyr	Cys	Leu	Thr	Leu	Ala	Gly	Asn	Thr	Ile	Ile	Ile	Phe	Val
		35					40					45			
Ser	Leu	Lys	Asp	Pro	Lys	Leu	Gln	Ile	Pro	Met	Tyr	Phe	Phe	Leu	Ser
		50				55					60				
Asn	Leu	Ser	Leu	Leu	Asp	Ile	Cys	Phe	Thr	Ser	Ser	Cys	Val	Pro	Gln
65					70					75					80
Met	Leu	Val	Asn	Leu	Arg	Ser	Pro	Lys	Lys	Thr	Ile	Thr	Tyr	Ser	Gly
			85						90					95	
Cys	Ala	Thr	Gln	Leu	Tyr	Ile	Phe	Leu	Trp	Leu	Gly	Ala	Thr	Glu	Cys
			100					105					110		
Val	Leu	Leu	Val	Val	Met	Ala	Val	Asp	Arg	Tyr	Val	Ala	Val	Cys	His
		115					120					125			
Pro	Leu	Arg	Tyr	Val	Thr	Val	Met	His	Pro	Lys	Val	Cys	Leu	Gln	Leu
	130					135					140				
Ala	Val	Leu	Ala	Trp	Gly	Ser	Gly	Leu	Ile	Gln	Ser	Leu	Ile	Gln	Ser
145					150					155					160
Thr	Ala	Thr	Leu	Arg	Leu	Pro	Phe	Cys	Ser	Gln	Arg	Val	Val	Asp	Asn
				165					170					175	
Ile	Val	Cys	Glu	Val	Pro	Ala	Leu	Ile	Gln	Leu	Ser	Ser	Ala	Asp	Thr
			180					185					190		
Thr	Tyr	Asn	Glu	Val	Gln	Met	Ser	Ile	Ala	Ser	Val	Ile	Leu	Leu	Val
		195					200					205			
Leu	Pro	Leu	Ala	Ile	Ile	Leu	Ser	Ser	Tyr	Gly	Ala	Ile	Val	Lys	Ser
		210				215					220				
Val	Leu	Lys	Ile	Lys	Ser	Pro	Ala	Gly	Gln	Lys	Lys	Ala	Phe	Gly	Thr
225				230						235					240
Cys	Thr	Ser	His	Leu	Leu	Val	Val	Ser	Leu	Phe	Tyr	Gly	Thr	Val	Thr
				245					250					255	
Gly	Val	Tyr	Leu	Gln	Pro	Lys	Thr	His	Tyr	Ala	His	Glu	Trp	Gly	Lys
			260					265					270		
Phe	Leu	Thr	Leu	Phe	Tyr	Thr	Val	Ile	Thr	Pro	Thr	Leu	Asn	Pro	Leu
		275					280					285			
Ile	Tyr	Thr	Leu	Lys	Asn	Lys	Glu	Val	Lys	Glu	Ala	Val	Ile	Arg	Leu
	290					295					300				
Trp	Trp	Lys	Thr	Trp	Ile	Ser	Gln	Arg							
305					310										

<210> 2557

<211> 312

<212> PRT

<213> Mus musculus

<400> 2557

Met	Ala	Glu	Glu	Leu	Trp	Asn	His	Ser	Ser	Leu	Ser	Ser	Phe	Ile	Leu
1				5					10					15	
Ala	Gly	Leu	Phe	Gly	His	Ser	Pro	Tyr	Asp	Ser	Phe	Phe	Phe	Ser	Leu
			20					25					30		
Val	Leu	Leu	Ala	Phe	Gly	Ala	Ala	Val	Val	Gly	Asn	Ile	Leu	Leu	Leu
		35					40					45			
Met	Val	Ile	Gln	Val	Asp	Arg	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe

50		55		60
Leu Ser Gln Leu Ser Ile Met Asp Leu Thr Met Thr Cys Thr Val Val				
65		70		80
Pro Lys Met Ala Thr Asn Phe Leu Ser Gly Gly Lys Leu Ile Ser Leu				
	85		90	95
Gly Gly Cys Ala Ser Gln Ile Phe Phe Val Val Thr Val Gly Gly Ala				
	100		105	110
Glu Cys Phe Leu Leu Ala Val Met Ala Tyr Asp Arg Tyr Met Ala Val				
	115		120	125
Cys Tyr Pro Leu Arg Tyr Pro Val Leu Met Asn Trp Lys Ala Cys Ser				
	130		135	140
Phe Leu Ala Thr Ala Ser Trp Met Gly Gly Met Ala Asp Ser Val Ile				
145		150		160
Asp Val Gly Val Val Phe Ser Phe Pro Tyr Cys Gly Ser Leu Glu Val				
	165		170	175
Asp His Phe Phe Cys Glu Val Pro Ala Leu Leu Arg Leu Ser Cys Ala				
	180		185	190
Asp Thr Ser Leu Phe Glu Asp Leu Ile Tyr Ala Cys Cys Val Val Met				
	195		200	205
Leu Leu Leu Pro Leu Gly Val Ile Val Ala Ser Tyr Ala Arg Val Leu				
210		215		220
Thr Thr Val Met Arg Met Pro Ser Thr Glu Gly Lys Gln Lys Ala Leu				
225		230		240
Thr Thr Cys Ser Ser His Leu Ala Val Val Gly Leu Tyr Tyr Gly Gly				
	245		250	255
Ala Ile Phe Ser Tyr Met Gln Arg Ala Ser Ala Arg Thr Pro Leu Gly				
	260		265	270
Asp Arg Ala Thr Ser Ile Phe Tyr Thr Ile Val Thr Pro Met Phe Asn				
	275		280	285
Pro Leu Ile Tyr Ser Leu Arg Asn Arg Glu Val Thr Ser Ala Leu Lys				
	290		295	300
Lys Met Leu Glu Arg Trp Gly Met				
305		310		

<210> 2558
 <211> 309
 <212> PRT
 <213> Mus musculus

<400> 2558
Met Asp Ser Phe Asn Ala Thr Leu Glu Glu Arg Phe Phe Leu Val Gly
1 5 10 15
Phe Ser Asp Trp Pro Gln Leu Glu Leu Ile Leu Phe Val Phe Ile Ser
20 25 30
Ile Val Tyr Ser Leu Thr Ile Phe Gly Asn Thr Thr Ile Ile Ala Leu
35 40 45
Ser Arg Ile Asp Leu Arg Leu His Thr Pro Met Tyr Phe Phe Leu Ser
50 55 60
Asn Leu Ser Phe Leu Asp Leu Cys Phe Thr Thr Ser Thr Val Pro Gln
65 70 75 80
Leu Leu Ile Asn Leu Tyr Gly Gln Asp Arg Thr Ile Ser Tyr Gly Gly
85 90 95
Cys Val Ala Gln Leu Phe Ile Tyr Leu Ala Leu Gly Ser Thr Glu Cys
100 105 110
Val Leu Leu Val Val Met Ala Phe Asp Arg Tyr Ala Ala Val Cys Arg
115 120 125
Pro Leu His Tyr Thr Thr Ile Met His Pro Leu Leu Cys Gln Ala Leu
130 135 140

Ala	Leu	Ala	Ser	Trp	Val	Gly	Gly	Phe	Leu	Asn	Ser	Leu	Ile	Gln	Thr
145					150					155					160
Gly	Leu	Met	Met	Thr	Met	Pro	Leu	Cys	Gly	His	Arg	Leu	Asn	His	Phe
				165					170					175	
Phe	Cys	Glu	Met	Pro	Val	Phe	Leu	Lys	Leu	Ala	Cys	Gln	Asp	Thr	Gly
			180					185					190		
Gly	Thr	Glu	Ala	Lys	Met	Phe	Val	Ala	Arg	Ala	Ile	Ile	Leu	Val	Phe
		195					200					205			
Pro	Ala	Thr	Leu	Ile	Leu	Gly	Ser	Tyr	Gly	His	Ile	Ala	Lys	Ala	Val
	210					215					220				
Leu	Lys	Val	Lys	Ser	Thr	Ala	Gly	Arg	Arg	Lys	Ala	Phe	Gly	Thr	Cys
225					230					235					240
Gly	Ser	His	Leu	Leu	Val	Val	Ser	Leu	Phe	Tyr	Gly	Ser	Ala	Ile	Tyr
				245					250					255	
Thr	Tyr	Leu	Gln	Pro	Lys	Ser	Ser	Tyr	Ser	Glu	Ser	Glu	Gly	Lys	Phe
			260					265					270		
Val	Ala	Leu	Phe	Tyr	Thr	Ile	Val	Thr	Pro	Met	Leu	Asn	Pro	Leu	Ile
		275					280					285			
Tyr	Thr	Leu	Arg	Asn	Lys	Asp	Val	Lys	Gly	Ala	Leu	Trp	Lys	Val	Leu
	290					295					300				
Gly	Arg	Gly	Thr	Asp											
305															

<210> 2559

<211> 320

<212> PRT

<213> Mus musculus

<400> 2559

Met	Thr	Pro	Phe	Glu	Met	Thr	Asn	His	Thr	Arg	Val	Thr	Glu	Phe	Ile
1				5					10					15	
Phe	Leu	Gly	Phe	Ser	Asn	His	Pro	Asn	Leu	Gln	Gly	Val	Phe	Phe	Leu
			20					25					30		
Ala	Phe	Leu	Ala	Ile	Tyr	Leu	Thr	Thr	Leu	Leu	Gly	Asn	Thr	Leu	Met
		35					40					45			
Ile	Val	Ala	Thr	Arg	Val	Ser	Pro	Ala	Leu	His	Thr	Pro	Met	Tyr	Tyr
	50					55					60				
Phe	Leu	Ser	Asn	Leu	Ser	Phe	Leu	Asp	Ile	Cys	Tyr	Thr	Ser	Thr	Ser
65				70						75					80
Ile	Pro	Val	Met	Leu	Val	Asn	Phe	Phe	Arg	Glu	Lys	Lys	Thr	Ile	Ser
			85						90					95	
Phe	Glu	Gly	Cys	Leu	Ser	Gln	Ile	Phe	Phe	Phe	Val	Ser	Cys	Ala	Gly
			100					105					110		
Thr	Glu	Cys	Val	Leu	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala
	115					120						125			
Val	Cys	His	Pro	Leu	Arg	Tyr	Pro	Val	Leu	Met	Ser	Thr	Arg	Val	Cys
	130					135					140				
Ile	Ser	Leu	Val	Thr	Gly	Ser	Trp	Leu	Cys	Gly	Leu	Val	Asn	Ser	Val
145					150					155					160
Thr	His	Thr	Val	Leu	Thr	Ser	Thr	Leu	Thr	Leu	Cys	Gly	Pro	Asn	Gln
			165						170					175	
Ile	Ser	His	Phe	Leu	Cys	Asp	Val	Pro	Leu	Leu	Leu	Lys	Leu	Ser	Cys
			180					185					190		
Ser	Asp	Thr	Ser	Val	Asn	Glu	Ser	Val	Leu	His	Val	Ser	Ser	Ala	Thr
	195						200					205			
Val	Gly	Leu	Ser	Pro	Cys	Leu	Phe	Thr	Ala	Gly	Ser	Tyr	Ile	Leu	Ile
	210					215					220				
Ile	Ser	Ala	Ile	Leu	Arg	Ile	Pro	Ser	Thr	Gln	Gly	Lys	Arg	Lys	Ala

225					230					235				240
Phe	Ser	Thr	Cys	Ala	Ser	His	Leu	Thr	Val	Val	Val	Val	Phe	Phe
				245					250				255	
Thr	Ala	Asn	Phe	Asn	Tyr	Val	Arg	Pro	Lys	Glu	Gly	Tyr	Ser	Leu
			260					265					270	
Met	Gly	Ile	Leu	Val	Ser	Val	Leu	Tyr	Cys	Val	Val	Thr	Pro	Leu
		275					280					285		
Asn	Pro	Ile	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Lys	Gly	Ala
	290					295					300			
Arg	Lys	Leu	Thr	Gly	Val	Pro	Ser	Leu	Thr	Ile	Ala	Val	Ala	Arg
305					310					315				320

<210> 2560

<211> 322

<212> PRT

<213> Mus musculus

<400> 2560

Met	Trp	Ile	Gln	Leu	Glu	Phe	Met	Glu	Asn	His	Lys	Asn	Ile	Thr	Glu
1				5					10					15	
Phe	Ile	Phe	Met	Gly	Leu	Trp	Glu	Asn	Arg	Gln	Ile	Glu	Leu	Leu	Phe
			20					25					30		
Phe	Phe	Leu	Phe	Leu	Leu	Cys	Tyr	Leu	Ala	Val	Leu	Met	Gly	Asn	Ser
		35					40					45			
Val	Ile	Phe	Leu	Thr	Ile	Thr	Cys	Ser	His	Leu	Ile	Glu	Gln	Pro	Met
	50					55					60				
Tyr	Tyr	Phe	Leu	Cys	His	Leu	Ser	Leu	Met	Asp	Leu	Cys	Tyr	Pro	Ser
65					70					75				80	
Thr	Val	Ile	Pro	Arg	Leu	Ile	Arg	Asp	Leu	Ala	Ala	Thr	Arg	Lys	Asn
				85					90					95	
Ile	Ser	Tyr	Asn	Glu	Cys	Met	Thr	Gln	Leu	Phe	Thr	Ala	His	Leu	Leu
			100					105					110		
Ala	Gly	Val	Glu	Ile	Phe	Ile	Leu	Val	Ser	Met	Ala	Leu	Asp	Arg	Tyr
		115					120					125			
Val	Ala	Ile	Val	Lys	Pro	Leu	His	Tyr	Met	Val	Ile	Met	Ser	Arg	Lys
	130					135					140				
Arg	Cys	Asp	Met	Leu	Ile	Val	Thr	Ala	Trp	Ile	Leu	Gly	Phe	Trp	His
145					150					155					160
Ser	Ile	Ala	Leu	Leu	Leu	Met	Val	Leu	Ser	Leu	Pro	Phe	Cys	Gly	Pro
				165					170					175	
Asn	His	Ile	Asn	His	Tyr	Phe	Cys	Asp	Ile	Lys	Pro	Leu	Leu	Lys	Leu
			180					185					190		
Val	Cys	Lys	Asp	Val	His	Val	Val	Ser	Ile	Leu	Ala	Ile	Val	Asn	Ser
		195					200					205			
Gly	Met	Val	Leu	Phe	Ala	Ile	Phe	Ile	Val	Leu	Leu	Ala	Ser	Tyr	Ile
	210					215						220			
Leu	Ile	Leu	Tyr	Ser	Leu	Arg	Thr	Arg	Ser	Ser	Ala	Gly	Lys	Trp	Lys
225					230					235					240
Val	Leu	Ser	Thr	Cys	Ser	Ser	His	Ile	Met	Val	Val	Val	Leu	Phe	Phe
				245					250					255	
Gly	Pro	Cys	Ile	Tyr	Thr	Tyr	Val	Leu	Pro	Ala	Gly	Ser	Glu	Asn	Lys
			260					265					270		
Asp	Lys	Glu	Ile	Ser	Val	Phe	Tyr	Thr	Val	Ile	Ala	Pro	Ile	Leu	Asn
		275					280						285		
Pro	Val	Ile	Tyr	Thr	Leu	Arg	Asn	Ser	Glu	Met	Lys	Ser	Ala	Met	His
	290					295					300				
Lys	Val	Trp	Ser	Arg	Leu	Ser	Asn	Leu	Gly	Leu	Lys	Tyr	Val	Lys	Pro
305					310					315					320

Ser Cys

<210> 2561

<211> 312

<212> PRT

<213> Mus musculus

<400> 2561

Met	Asp	Lys	Ala	Asn	His	Ser	Val	Val	Ser	Glu	Phe	Val	Phe	Leu	Gly
1				5					10					15	
Leu	Ser	Asn	Arg	Trp	Gly	Ile	Gln	Leu	Leu	Leu	Phe	Leu	Phe	Ser	Ser
		20					25						30		
Met	Phe	Tyr	Ile	Ala	Ser	Val	Met	Gly	Asn	Leu	Leu	Ile	Val	Phe	Ser
		35					40					45			
Val	Thr	Ala	Asp	Ser	Asn	Leu	His	Ser	Pro	Met	Tyr	Phe	Leu	Leu	Ala
	50					55					60				
Asn	Leu	Ser	Phe	Leu	Asp	Leu	Gly	Val	Cys	Ser	Ile	Ala	Ala	Pro	Lys
65					70				75					80	
Met	Ile	Phe	Asp	Leu	Phe	Arg	Lys	His	Lys	Ala	Ile	Ser	Phe	Gly	Gly
			85						90					95	
Cys	Ile	Thr	Gln	Ile	Phe	Phe	Ile	His	Ala	Ile	Gly	Gly	Thr	Glu	Met
			100					105					110		
Val	Leu	Leu	Ile	Ala	Met	Ala	Phe	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys
		115					120					125			
Pro	Leu	His	Tyr	Leu	Thr	Ile	Met	Arg	Pro	Gln	Ile	Cys	Ile	Leu	Ile
	130					135					140				
Leu	Ala	Val	Ser	Trp	Val	Leu	Gly	Leu	Ile	His	Ser	Val	Ala	Gln	Leu
145					150					155				160	
Ala	Phe	Val	Val	Asp	Leu	Pro	Phe	Cys	Gly	Pro	Asn	Ile	Leu	Asp	Ser
				165					170					175	
Phe	Tyr	Cys	Asp	Leu	Pro	Gln	Leu	Ile	Lys	Leu	Ala	Cys	Thr	Glu	Thr
			180					185					190		
Ser	Lys	Leu	Val	Phe	Met	Val	Thr	Ala	Asn	Ser	Gly	Leu	Ile	Ser	Val
		195					200					205			
Gly	Ser	Phe	Phe	Ile	Leu	Ile	Ile	Ser	Tyr	Ile	Phe	Ile	Leu	Val	Thr
	210					215					220				
Val	Arg	Lys	His	Ser	Ser	Gly	Ser	Ile	Ala	Lys	Ala	Leu	Ser	Thr	Leu
225					230					235					240
Ser	Ala	His	Val	Thr	Val	Val	Val	Leu	Phe	Phe	Gly	Pro	Leu	Ile	Phe
				245					250					255	
Phe	Tyr	Thr	Trp	Pro	Phe	Pro	Ser	Ser	His	Leu	Asp	Lys	Phe	Leu	Ala
			260					265					270		
Ile	Phe	Asp	Ala	Val	Leu	Thr	Pro	Phe	Leu	Asn	Pro	Val	Ile	Tyr	Thr
		275					280					285			
Phe	Arg	Asn	Lys	Glu	Met	Lys	Ala	Ala	Met	Arg	Lys	Leu	Cys	Ser	Gln
	290					295					300				
Leu	Val	Asn	Tyr	Arg	Lys	Val	Ser								
305					310										

<210> 2562

<211> 298

<212> PRT

<213> Mus musculus

<400> 2562

Ser Lys Leu Phe Leu Phe Val Phe Ser Ser Met Phe Tyr Val Ala Ser

1				5					10					15		
Met	Thr	Gly	Asn	Ser	Leu	Ile	Val	Phe	Thr	Val	Ala	Ser	Asp	Pro	His	
			20					25					30			
Leu	His	Ser	Pro	Met	Tyr	Phe	Leu	Leu	Ala	Asn	Leu	Ser	Phe	Ile	Asp	
		35					40					45				
Leu	Gly	Val	Ser	Ser	Val	Ile	Ala	Pro	Lys	Met	Ile	Tyr	Asp	Leu	Phe	
	50					55					60					
Arg	Lys	His	Lys	Val	Ile	Ser	Phe	Arg	Gly	Cys	Val	Thr	Gln	Ile	Phe	
65					70					75					80	
Phe	Ile	His	Phe	Ile	Gly	Gly	Val	Glu	Met	Val	Leu	Leu	Ile	Ala	Met	
			85					90						95		
Ala	Phe	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu	His	Tyr	Leu	Ile	
			100					105					110			
Ile	Met	Arg	Pro	Arg	Met	Cys	Ile	Leu	Phe	Ile	Val	Ala	Ser	Trp	Val	
		115					120					125				
Val	Gly	Phe	Met	His	Ser	Leu	Val	Gln	Leu	Ala	Phe	Val	Val	Asn	Leu	
	130					135					140					
Pro	Phe	Cys	Gly	Pro	Asn	Val	Leu	Asp	Ser	Phe	Tyr	Cys	Asp	Phe	Pro	
145					150					155					160	
Arg	Phe	Ile	Lys	Leu	Ala	Cys	Ile	Asp	Thr	Tyr	Arg	Leu	Lys	Leu	Leu	
			165					170						175		
Val	Leu	Val	Asn	Ser	Gly	Phe	Met	Ser	Val	Gly	Ser	Phe	Phe	Ile	Leu	
			180					185					190			
Ile	Ile	Ser	Tyr	Val	Val	Ile	Ile	Phe	Ile	Val	His	Lys	His	Ser	Ser	
		195					200					205				
Ser	Gly	Ser	Ser	Lys	Ala	Leu	Ser	Thr	Leu	Ser	Ala	His	Val	Met	Val	
	210					215					220					
Val	Val	Leu	Phe	Phe	Gly	Pro	Val	Met	Phe	Ile	Tyr	Thr	Trp	Pro	Ser	
225					230					235					240	
Ser	Leu	Thr	His	Leu	Asp	Lys	Phe	Leu	Pro	Ile	Phe	Asp	Ala	Ile	Val	
				245					250					255		
Thr	Pro	Phe	Leu	Asn	Pro	Val	Ile	Tyr	Thr	Phe	Arg	Asn	Gln	Glu	Met	
			260					265					270			
Lys	Met	Ala	Met	Met	Arg	Val	Leu	Arg	Gln	Ile	Met	Gly	Tyr	Arg	Gln	
		275					280					285				
Ile	Ile	Lys	His	Leu	His	Pro	Asp	Gln	Ser							
	290					295										

<210> 2563

<211> 290

<212> PRT

<213> Mus musculus

<400> 2563

Asn	Ile	Gln	Leu	Leu	Leu	Phe	Leu	Leu	Ser	Ser	Val	Leu	Tyr	Val	Ala	
1				5					10					15		
Ser	Met	Met	Gly	Asn	Cys	Leu	Ile	Ile	Phe	Thr	Val	Ala	Ser	Asp	Pro	
			20					25					30			
Gln	Leu	His	Ser	Pro	Met	Tyr	Phe	Leu	Leu	Ser	Asn	Leu	Ser	Phe	Ile	
		35					40				45					
Asp	Ile	Gly	Ile	Ser	Ser	Ala	Thr	Ser	Pro	Lys	Met	Ile	Tyr	Asp	Leu	
	50					55				60						
Phe	Lys	Lys	Asn	Lys	Val	Ile	Ser	Phe	Arg	Gly	Cys	Ile	Ile	Gln	Ile	
65					70					75					80	
Phe	Phe	Ile	His	Ala	Ile	Gly	Gly	Val	Glu	Met	Val	Leu	Leu	Ile	Ala	
			85					90						95		
Met	Ala	Phe	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu	His	Tyr	Leu	
			100					105					110			

Thr	Met	Met	Ser	Pro	Gln	Met	Cys	Ile	Phe	Phe	Leu	Ile	Thr	Ala	Trp
		115					120					125			
Val	Val	Gly	Leu	Met	His	Ser	Val	Ile	Gln	Leu	Val	Phe	Ile	Val	Asn
		130				135						140			
Leu	Pro	Leu	Cys	Gly	Gln	Leu	Leu	Asp	Ser	Phe	Tyr	Cys	Asp	Leu	Pro
145					150					155					160
Gln	Phe	Ile	Lys	Leu	Ala	Cys	Met	Asp	Thr	Tyr	Arg	Leu	Glu	Leu	Met
				165					170						175
Val	Ser	Ile	Ser	Ser	Gly	Phe	Met	Ser	Val	Ala	Phe	Phe	Phe	Ile	Leu
			180					185					190		
Ile	Ile	Ser	Tyr	Val	Val	Ile	Ile	Phe	Thr	Val	Leu	Lys	His	Ser	Ser
		195					200					205			
Ser	Gly	Ser	Tyr	Lys	Ala	Leu	Ser	Thr	Leu	Ser	Ala	His	Val	Thr	Val
	210					215					220				
Val	Val	Leu	Phe	Phe	Gly	Pro	Ala	Ile	Phe	Phe	Tyr	Thr	Trp	Pro	Ser
225					230					235					240
Ser	Ser	Thr	His	Leu	Asp	Lys	Phe	Leu	Ala	Leu	Phe	Asp	Ala	Val	Val
				245					250					255	
Thr	Pro	Phe	Leu	Asn	Pro	Val	Ile	Tyr	Thr	Leu	Arg	Asn	Gln	Glu	Met
			260					265					270		
Lys	Met	Ala	Met	Arg	Arg	Val	Phe	Arg	His	Leu	Met	Gly	Tyr	Arg	Gln
		275					280					285			
Ile	Ser														
	290														

<210> 2564

<211> 310

<212> PRT

<213> Mus musculus

<400> 2564

Met	Thr	Glu	Asn	Gln	Thr	Trp	Ile	Pro	Glu	Phe	Thr	Leu	Gln	Gly	Phe
1				5					10					15	
Leu	Leu	Ser	Pro	Arg	Met	Gln	Met	Leu	Leu	Cys	Gly	Leu	Phe	Ser	Leu
			20					25					30		
Leu	Tyr	Thr	Phe	Thr	Leu	Leu	Gly	Asn	Gly	Val	Ile	Leu	Gly	Leu	Ile
		35					40					45			
Trp	Leu	Asp	Cys	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser	His
	50					55				60					
Leu	Ala	Ile	Val	Asp	Ile	Ser	Tyr	Ala	Thr	Asn	Asn	Val	Pro	Lys	Met
65					70					75					80
Leu	Ala	Asn	Leu	Leu	Ala	Lys	Lys	Lys	Ser	Ile	Ser	Phe	Ala	Pro	Cys
			85						90					95	
Ile	Met	Gln	Thr	Phe	Leu	Tyr	Met	Ala	Phe	Ala	His	Thr	Glu	Cys	Leu
			100					105					110		
Ile	Leu	Val	Met	Met	Ser	Tyr	Asp	Arg	Tyr	Ala	Ala	Ile	Cys	Gln	Pro
		115					120					125			
Leu	Gln	Tyr	Ser	Val	Ile	Met	Ser	Trp	Lys	Val	Cys	Thr	Ile	Met	Ala
	130					135					140				
Val	Ala	Ser	Trp	Ala	Cys	Gly	Ser	Leu	Leu	Ala	Leu	Val	His	Val	Val
145					150					155					160
Leu	Ile	Leu	Arg	Leu	Pro	Phe	Cys	Gly	Leu	His	Glu	Ile	Asn	His	Phe
				165					170					175	
Phe	Cys	Glu	Ile	Leu	Ser	Val	Leu	Lys	Leu	Val	Cys	Ala	Asp	Thr	Thr
			180					185					190		
Leu	Asn	Gln	Ile	Val	Ile	Phe	Ala	Gly	Ser	Val	Phe	Ile	Leu	Val	Gly
		195					200					205			
Pro	Leu	Cys	Phe	Val	Leu	Val	Ser	Tyr	Thr	Arg	Ile	Leu	Ile	Ala	Ile

210		215		220
Leu Lys Ile Gln Ser Gly	Glu Gly Arg Arg Lys	Ala Phe Ser Thr Cys		
225	230	235	240	
Ser Ser His Leu Cys Val	Val Gly Leu Phe Phe	Gly Ser Ala Ile Val		
	245	250	255	
Met Tyr Met Ala Pro Lys	Ser Gln His Pro Glu	Thr Gln Gln Lys Val		
	260	265	270	
Leu Ser Leu Phe Tyr Ser	Leu Phe Asn Pro Met	Leu Asn Pro Leu Ile		
	275	280	285	
Tyr Ser Leu Arg Asn Ala	Glu Val Lys Gly Ala	Val Lys Arg Val Leu		
	290	295	300	
Trp Lys Gln Arg Ser Arg				
305	310			

<210> 2565

<211> 308

<212> PRT

<213> Mus musculus

<400> 2565

Met Ala Thr Gly Asn His	Ser Ala Ala Val Val	Phe Val Leu Val Gly		
1	5	10	15	
Leu Thr Gln Gln Pro Glu	Leu Leu Leu Pro Leu	Phe Ile Leu Phe Leu		
	20	25	30	
Gly Ile Tyr Val Val Thr	Ala Val Gly Asn Leu	Gly Met Ile Leu Leu		
	35	40	45	
Ile Thr Val Ser Pro Leu	Leu His Thr Pro Met	Tyr Tyr Phe Leu Ser		
	50	55	60	
Ser Leu Ser Phe Val Asp	Leu Ser Tyr Ser Thr	Val Ile Thr Pro Lys		
65	70	75	80	
Met Leu Val Asn Phe Leu	Gly Lys Lys Asn Phe	Ile Thr Tyr Ser Glu		
	85	90	95	
Cys Met Ala Gln Phe Phe	Phe Phe Ala Val Phe	Val Val Thr Glu Gly		
	100	105	110	
Tyr Leu Leu Thr Val Met	Ala Tyr Asp His Tyr	Val Ala Ile Cys Arg		
	115	120	125	
Pro Leu Leu Tyr Asn Val	Met Met Ser Ser Lys	His Cys Leu Leu Leu		
	130	135	140	
Val Leu Val Ala Phe Thr	Leu Gly Leu Phe Ser	Ala Val Val His Thr		
	145	150	155	
Ser Ala Met Met Ser Leu	Asn Phe Cys Lys Thr	Tyr Ile Ile Ser His		
	165	170	175	
Tyr Phe Cys Asp Ala Leu	Pro Leu Leu Lys Leu	Ser Cys Ser Asn Thr		
	180	185	190	
His Leu Asn Glu Leu Leu	Ile Phe Ile Ile Gly	Gly Ile Asn Thr Leu		
	195	200	205	
Val Pro Thr Leu Ala Val	Ala Ile Ser Tyr Val	Phe Ile Phe Cys Ser		
	210	215	220	
Ile Arg His Ile Lys Ser	Ser Ser Lys Ser Arg	Ser Lys Ala Phe Gly		
225	230	235	240	
Cys Ser Ser His Leu Met	Ala Val Gly Ile Phe	Phe Gly Ser Ile Thr		
	245	250	255	
Phe Met Tyr Leu Lys Pro	Ser Ser Ser Asn Ser	Leu Glu Gln Glu Lys		
	260	265	270	
Val Ser Ser Val Phe Tyr	Thr Thr Val Ile Pro	Met Leu Asn Pro Leu		
	275	280	285	
Ile Tyr Ser Leu Arg Asn	Lys Asp Val Lys Lys	Ala Leu Gly Arg Phe		
	290	295	300	

Ser Val Arg Arg
305

<210> 2566
<211> 318
<212> PRT
<213> Mus musculus

<400> 2566
Met Arg Arg Asn Arg Asn Thr Ser Leu Asp Asp Val Val Thr Asp Phe
1 5 10 15
Leu Leu Leu Gly Leu Ala His Pro Pro Asn Leu Arg Ala Phe Leu Phe
20 25 30
Leu Val Phe Phe Leu Ile Tyr Ile Leu Thr Gln Leu Gly Asn Leu Leu
35 40 45
Ile Leu Leu Thr Val Trp Ala Asp Pro Lys Leu His Ala Arg Pro Met
50 55 60
Tyr Ile Leu Leu Gly Val Leu Ser Phe Leu Asp Met Trp Leu Ser Ser
65 70 75 80
Val Ile Val Pro Arg Ile Ile Leu Asn Phe Thr Pro Ala Ser Lys Val
85 90 95
Ile Ala Phe Gly Gly Cys Ala Ala Gln Leu Tyr Phe Phe His Phe Leu
100 105 110
Gly Ser Thr Gln Cys Phe Leu Tyr Thr Leu Met Ala Tyr Asp Arg Tyr
115 120 125
Leu Ala Ile Cys Gln Pro Leu Arg Tyr Pro Val Leu Met Asn Gly Lys
130 135 140
Leu Cys Thr Ile Leu Val Ser Gly Ala Trp Val Ala Gly Ser Ile His
145 150 155 160
Gly Ser Ile Gln Ala Thr Leu Thr Phe Arg Leu Pro Tyr Cys Gly Pro
165 170 175
Lys Glu Val Asp Tyr Phe Phe Cys Asp Ile Pro Ala Val Leu Arg Leu
180 185 190
Ala Cys Ala Asp Thr Thr Val Asn Glu Leu Val Thr Phe Val Asp Ile
195 200 205
Gly Val Val Ala Ala Ser Cys Phe Met Leu Ile Leu Leu Ser Tyr Ala
210 215 220
Asn Ile Val His Ala Ile Leu Lys Ile Arg Thr Ala Asp Gly Arg Lys
225 230 235 240
Arg Ala Phe Ser Thr Cys Gly Ser His Leu Thr Val Val Thr Val Tyr
245 250 255
Tyr Val Pro Cys Ile Phe Ile Tyr Leu Arg Ala Gly Ser Lys Ser Pro
260 265 270
Phe Asp Gly Ala Val Ala Val Phe Tyr Thr Val Val Thr Pro Leu Leu
275 280 285
Asn Pro Leu Ile Tyr Thr Leu Arg Asn Gln Glu Val Lys Ser Ala Leu
290 295 300
Lys Arg Leu Arg Ala Gly Arg Arg Asp Val Asp Gly Glu Lys
305 310 315

<210> 2567
<211> 311
<212> PRT
<213> Mus musculus

<400> 2567
Met Glu Lys Asn Asn Glu Ser Ser Gly Glu Phe Ile Leu Leu Gly Phe

1	5	10	15
Ser Asp Gln Pro Arg Leu Glu Met Val Leu Phe Val Val Cys Thr Val			
	20	25	30
Phe Tyr Phe Leu Ala Val Thr Gly Asn Ser Ala Ile Ile Phe Leu Ser			
	35	40	45
Leu Met Asp Leu Arg Leu His Thr Pro Met Tyr Phe Phe Leu Ser Asn			
	50	55	60
Leu Ser Leu Leu Asp Leu Cys Tyr Ser Thr Ser Ser Ile Pro Gln Phe			
	65	70	75
Gln Ile Asn Leu Trp Gly Pro Arg Lys Thr Ile Ser Phe Val Gly Cys			
	85	90	95
Ala Val Gln Leu Phe Ala Phe Leu Ser Val Gly Gly Ile Glu Cys Ile			
	100	105	110
Leu Leu Ser Val Met Ala Tyr Asp Arg Phe Val Ala Val Cys Lys Pro			
	115	120	125
Leu His Tyr Leu Thr Ile Met His Pro Gln Leu Cys Leu Lys Leu Ala			
	130	135	140
Ala Phe Ala Trp Leu Gly Gly Thr Ala Ser Ser Thr Leu Met Ser Pro			
	145	150	155
Leu Thr Met Ser Leu Gly Arg Cys Gly His Arg Arg Ile Asn His Phe			
	165	170	175
Val Cys Glu Met Pro Ala Ile Ile His Ile Ser Cys Val Asp Thr Ser			
	180	185	190
Trp Ile Glu Gly Leu Ile Phe Ile Leu Ala Ile Pro Ile Val Leu Val			
	195	200	205
Pro Leu Ile Met Ile Leu Val Ser Tyr Gly Tyr Ile Ala Ala Ala Val			
	210	215	220
Leu Arg Ile Lys Ser Thr Ala Ser Arg Arg Lys Ala Phe Asn Thr Cys			
	225	230	235
Ser Ser His Met Ala Val Val Ser Leu Phe Tyr Ser Ser Ile Ile Tyr			
	245	250	255
Met Tyr Met Gln Pro Gly Asn Leu Ala Ser Gln Asp Gln Gly Lys Phe			
	260	265	270
Leu Thr Leu Phe Tyr Cys Leu Val Thr Pro Thr Leu Asn Pro Phe Ile			
	275	280	285
Tyr Ser Leu Arg Asn Lys Asp Met Lys Ala Ala Met Leu Lys Val Leu			
	290	295	300
Gly Lys Asp Arg Asn Leu Leu			
	305	310	

<210> 2568

<211> 309

<212> PRT

<213> Mus musculus

<400> 2568

Met Ala Leu Ala Asn Val Ser Ser Val Lys Glu Phe Ile Leu Leu Gly	
1	5
Leu Thr Gln Gln Pro Glu Leu Gln Leu Pro Leu Phe Phe Leu Phe Leu	
	20
Gly Ile Tyr Val Val Ser Val Met Gly Asn Leu Gly Leu Ile Val Leu	
	35
Ile Val Leu Asn Pro His Leu His Thr Pro Met Tyr Tyr Phe Leu Phe	
	50
Asn Leu Ser Phe Thr Asp Leu Cys Tyr Ser Ser Ala Ile Thr Pro Arg	
	65
Met Leu Val Gly Phe Val Lys Gln Asn Ile Ile Ser His Ala Glu Cys	
	85
	90
	95

Leu	Thr	Gln	Leu	Phe	Phe	Phe	Ala	Phe	Phe	Val	Ile	Asp	Glu	Cys	Tyr	
			100					105					110			
Ile	Leu	Thr	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Ala	Ala	Ile	Cys	Lys	Pro	
		115					120					125				
Leu	Leu	Tyr	Gln	Val	Thr	Met	Ser	His	Gln	Val	Cys	Leu	Leu	Met	Thr	
	130					135					140					
Met	Gly	Val	Tyr	Val	Met	Gly	Phe	Ala	Gly	Ala	Leu	Ser	His	Ile	Val	
145					150					155					160	
Cys	Met	Leu	Arg	Leu	Thr	Phe	Cys	Asp	Gly	Asn	Ile	Ile	Asn	Asn	Tyr	
			165						170					175		
Val	Cys	Asp	Val	His	Pro	Leu	Leu	Lys	Leu	Ser	Cys	Ser	Ser	Thr	Ser	
			180					185						190		
Ile	Asn	Glu	Leu	Val	Leu	Phe	Ile	Val	Val	Gly	Val	Asn	Ile	Thr	Val	
		195					200					205				
Pro	Ser	Leu	Thr	Leu	Phe	Val	Ser	Tyr	Thr	Leu	Ile	Leu	Ser	Asn	Ile	
		210				215					220					
Leu	Ser	Ile	His	Ser	Gly	Glu	Gly	Arg	Ser	Lys	Ala	Phe	Ser	Thr	Cys	
225					230					235					240	
Gly	Ser	His	Val	Ile	Ala	Val	Ser	Phe	Phe	Phe	Gly	Ala	Ala	Ala	Phe	
			245						250					255		
Met	Tyr	Leu	Lys	Pro	Ser	Ser	Ala	Ser	Val	Asp	Glu	Asp	Lys	Val	Ser	
			260					265					270			
Thr	Ile	Phe	Tyr	Thr	Ile	Leu	Gly	Pro	Met	Leu	Asn	Pro	Phe	Ile	Tyr	
		275					280					285				
Ser	Ile	Arg	Asn	Lys	Asp	Val	His	Ile	Ala	Leu	Lys	Lys	Thr	Leu	Lys	
	290					295					300					
Lys	Lys	Ile	Leu	Thr												
305																

<210> 2569

<211> 322

<212> PRT

<213> Mus musculus

<400> 2569

Lys	Ser	Ser	Ala	Ala	Pro	Ser	Asn	Ser	Ser	Thr	Ile	Thr	Gly	Phe	Ile	
1				5					10					15		
Leu	Leu	Gly	Phe	Pro	Cys	Pro	Arg	Glu	Gly	Gln	Ile	Leu	Leu	Phe	Val	
			20					25					30			
Leu	Phe	Ser	Ile	Val	Tyr	Leu	Leu	Thr	Leu	Met	Gly	Asn	Ala	Ser	Ile	
		35					40					45				
Ile	Cys	Ala	Val	Tyr	Cys	Asp	Gln	Lys	Leu	His	Ile	Pro	Met	Tyr	Leu	
	50					55					60					
Leu	Leu	Ala	Asn	Phe	Ser	Phe	Leu	Glu	Ile	Trp	Tyr	Val	Thr	Ser	Thr	
65					70					75					80	
Val	Pro	Asn	Met	Leu	Ala	Asn	Phe	Leu	Ser	Asp	Thr	Lys	Val	Ile	Ser	
				85					90					95		
Phe	Ser	Gly	Cys	Phe	Leu	Gln	Phe	Tyr	Phe	Phe	Phe	Ser	Leu	Gly	Ser	
			100					105					110			
Thr	Glu	Cys	Phe	Phe	Leu	Ala	Val	Met	Ala	Phe	Asp	Arg	Tyr	Leu	Ala	
		115					120					125				
Ile	Cys	Arg	Pro	Leu	His	Tyr	Pro	Ala	Leu	Met	Thr	Gly	Arg	Leu	Cys	
	130					135					140					
Asn	Ile	Leu	Val	Ile	Ser	Cys	Trp	Ile	Leu	Gly	Phe	Leu	Trp	Phe	Pro	
145					150					155					160	
Val	Pro	Ile	Ile	Ile	Ile	Ser	Gln	Val	Ser	Phe	Cys	Gly	Ser	Arg	Ile	
				165					170					175		
Ile	Asp	His	Phe	Leu	Cys	Asp	Pro	Gly	Pro	Leu	Leu	Ala	Leu	Thr	Cys	

Lys	Lys	Ser	Pro	Leu	Ile	Glu	Leu	Val	Phe	Ser	Ile	Leu	Ser	Pro	Leu
		180						185					190		
Pro	Leu	Ile	Ile	Pro	Phe	Val	Phe	Ile	Met	Gly	Ser	Tyr	Thr	Leu	Val
	195						200					205			
Leu	Ala	Ala	Val	Leu	Lys	Val	Pro	Ser	Ala	Ser	Gly	Lys	Arg	Lys	Ala
	210					215					220				
Phe	Ser	Thr	Cys	Gly	Ser	His	Leu	Ala	Val	Val	Ala	Leu	Phe	Tyr	Gly
			230						235						240
Ser	Val	Leu	Val	Met	Tyr	Gly	Ser	Pro	Thr	Ser	Glu	His	Glu	Ala	Gly
		245						250						255	
Met	Gln	Lys	Ile	Val	Thr	Leu	Phe	Tyr	Ser	Val	Leu	Thr	Pro	Leu	Leu
	260						265						270		
Asn	Pro	Val	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	His	Met	Lys	Ile	Ala	Leu
	275						280					285			
Lys	Glu	Ile	Leu	Arg	Lys	Ile	Lys	Asn	Trp	Ser	Thr	Lys	Lys	Ala	Leu
	290					295					300				
Gly	Asn					310				315					320

<210> 2570
 <211> 322
 <212> PRT
 <213> Mus musculus

<400> 2570

Met	Ala	Pro	Glu	Asn	Gln	Thr	Thr	Val	Leu	Glu	Phe	His	Leu	Met	Gly
1				5					10					15	
Leu	Ser	Glu	Asp	Pro	Asp	Leu	Gln	Thr	Ile	Leu	Phe	Gly	Leu	Phe	Leu
			20					25					30		
Ser	Met	Tyr	Leu	Val	Thr	Val	Phe	Gly	Asn	Leu	Leu	Ile	Ile	Leu	Ala
		35					40					45			
Ile	Ile	Ser	Asp	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Cys
	50					55					60				
Asn	Leu	Ser	Leu	Val	Asp	Ile	Phe	Phe	Cys	Ser	Thr	Thr	Val	Pro	Lys
65					70				75						80
Met	Leu	Val	Asn	Ile	Gln	Thr	Gln	Ser	Arg	Ala	Ile	Ser	Phe	Thr	Gly
			85						90					95	
Cys	Leu	Val	Gln	Met	Tyr	Ala	Phe	His	Leu	Phe	Gly	Thr	Ile	Asp	Ser
			100					105					110		
Phe	Leu	Leu	Ala	Val	Met	Ala	Ile	Asp	Arg	Leu	Val	Ala	Ile	Ala	Tyr
		115					120					125			
Pro	Leu	Arg	Tyr	Ser	Val	Leu	Met	Ser	Pro	His	Val	Cys	Ala	Leu	Leu
	130					135					140				
Val	Gly	Gly	Thr	Trp	Val	Ile	Thr	Asn	Leu	Gln	Ser	Leu	Val	His	Thr
145					150					155					160
Cys	Leu	Met	Ala	Gln	Leu	Thr	Phe	Cys	Ala	Arg	Ser	Glu	Ile	Pro	His
			165						170					175	
Phe	Phe	Cys	Asp	Leu	Met	Pro	Leu	Leu	Lys	Leu	Ser	Cys	Ser	Asp	Thr
			180					185					190		
His	Ile	Asn	Glu	Leu	Val	Ile	Phe	Ala	Phe	Gly	Ile	Val	Met	Gly	Leu
		195					200					205			
Ser	Pro	Leu	Ser	Cys	Ile	Leu	Val	Ser	Tyr	Ile	Cys	Ile	Phe	Arg	Ala
	210					215					220				
Val	Phe	Arg	Ile	Pro	Ser	Ala	Gln	Gly	Lys	Trp	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Gly	Ser	His	Leu	Thr	Val	Val	Ser	Leu	Phe	Tyr	Gly	Thr	Ile	Phe
			245						250					255	

<210> 2572
 <211> 314
 <212> PRT
 <213> Mus musculus

<400> 2572
 Met Glu Cys Val Asn Asp Thr Val Val Arg Glu Phe Val Phe Leu Gly
 1 5 10 15
 Phe Ser Ser Leu Ala Glu Leu Gln Leu Leu Leu Phe Ala Val Phe Leu
 20 25 30
 Ser Leu Tyr Leu Phe Thr Leu Ser Thr Asn Ala Val Ile Val Ser Thr
 35 40 45
 Ile Val Leu Asp Arg Ala Leu His Thr Pro Met Tyr Phe Phe Leu Ser
 50 55 60
 Val Leu Ser Cys Ser Glu Thr Cys Tyr Thr Phe Val Ile Val Pro Lys
 65 70 75 80
 Met Leu Val Asp Leu Leu Ala Arg Lys Lys Ser Ile Ser Phe Leu Gly
 85 90 95
 Cys Ala Ile Gln Met Phe Thr Phe Leu Phe Leu Gly Cys Ser His Ser
 100 105 110
 Phe Leu Leu Ala Ala Met Gly Tyr Asp Arg Tyr Val Ala Ile Cys His
 115 120 125
 Pro Leu Arg Tyr Thr Val Leu Met Gly His Arg Val Cys Val Gly Leu
 130 135 140
 Val Ala Ala Ala Cys Val Cys Gly Phe Thr Val Ala Gln Val Ile Thr
 145 150 155 160
 Ser Gln Val Phe Arg Leu Pro Phe Arg Ser Ser Asn Gln Leu His His
 165 170 175
 Phe Phe Cys Asp Ile Ser Pro Val Leu Gln Leu Ala Ser His His Pro
 180 185 190
 His Ser Thr Gln Ile Thr Ile Phe Leu Leu Cys Ala Leu Val Leu Val
 195 200 205
 Ile Pro Leu Leu Leu Ile Leu Val Ser Tyr Ile His Ile Ile Ser Ala
 210 215 220
 Ile Leu Gln Phe Pro Ser Thr Leu Gly Arg Tyr Lys Ala Phe Ser Thr
 225 230 235 240
 Cys Ala Ser His Leu Ile Val Val Ile Val His Tyr Gly Cys Ala Ser
 245 250 255
 Phe Ile Tyr Leu Arg Pro Lys Ser Ser Tyr Ser Ser Ser Gln Asp Ala
 260 265 270
 Leu Ile Ser Val Ser Tyr Thr Ile Leu Thr Pro Leu Phe Asn Pro Val
 275 280 285
 Ile Tyr Ser Leu Arg Asn Lys Asp Phe Lys Ser Ala Leu His Arg Val
 290 295 300
 Ile Gly Arg Thr Val Thr Leu Arg Gln His
 305 310

<210> 2573
 <211> 231
 <212> PRT
 <213> Mus musculus

<400> 2573
 Ser Val Thr Pro Lys Met Leu Met Lys Phe Leu Asn Lys Asn Asp Met
 1 5 10 15

Ile	Ser	Val	Gly	Glu	Cys	Phe	Ala	Gln	Tyr	Tyr	Phe	Phe	Cys	Phe	Ser
			20					25					30		
Ala	Thr	Thr	Glu	Ile	Phe	Leu	Leu	Val	Ala	Met	Ala	Tyr	Asp	Arg	Tyr
		35					40					45			
Val	Ala	Ile	Cys	Asn	Pro	Leu	Leu	Tyr	Leu	Val	Val	Met	Ser	Lys	Arg
	50					55					60				
Leu	Cys	Thr	Val	Phe	Ile	Ser	Leu	Ser	Tyr	Ile	Ile	Gly	Val	Leu	Asn
65					70					75					80
Pro	Ile	Val	His	Val	Gly	Leu	Leu	Phe	Arg	Leu	Thr	Phe	Cys	Lys	Ser
			85						90					95	
Asn	Val	Ile	Asp	His	Phe	Tyr	Cys	Glu	Ile	Leu	Pro	Leu	Tyr	Thr	Ile
			100					105					110		
Ser	Cys	Thr	Asp	Ala	Ser	Leu	Asn	Ala	Leu	Val	Ile	Phe	Ile	Phe	Ala
		115					120					125			
Ser	Ser	Ile	Gln	Ile	Ser	Thr	Ser	Val	Thr	Ile	Ile	Val	Ser	Tyr	Ala
	130					135					140				
Arg	Val	Leu	Phe	Ser	Val	Leu	Asn	Met	Lys	Ser	Glu	Lys	Gly	Arg	Arg
145					150					155					160
Lys	Ala	Phe	Phe	Thr	Cys	Ser	Ala	His	Leu	Leu	Ser	Val	Ser	Leu	Phe
			165						170					175	
Tyr	Gly	Thr	Leu	Leu	Phe	Met	Tyr	Val	Ser	His	Gly	Ser	Ala	Pro	Gly
		180						185					190		
Glu	Asn	Gln	Asp	Lys	Met	Tyr	Ser	Leu	Phe	Tyr	Thr	Val	Val	Ile	Pro
		195					200					205			
Leu	Leu	Asn	Pro	Phe	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Leu	Cys
	210					215					220				
Ala	Leu	Arg	Lys	Val	Val	Lys									
225					230										

<210> 2574

<211> 281

<212> PRT

<213> Mus musculus

<220>

<221> VARIANT

<222> (154)...(208)

<223> Any amino acid

<400> 2574

Met	Gly	Gln	Ser	Asn	Asn	Val	Thr	Glu	Phe	Val	Leu	Leu	Gly	Phe	Thr
1				5					10					15	
Gln	Asp	Pro	Ala	Gly	Gln	Lys	Ala	Leu	Phe	Val	Met	Phe	Ser	Leu	Met
			20					25					30		
Tyr	Ile	Ala	Thr	Met	Val	Gly	Asn	Leu	Leu	Ile	Val	Gly	Thr	Val	Ile
	35					40						45			
Ala	Ser	Pro	Ser	Leu	Gly	Ser	Pro	Met	Tyr	Phe	Phe	Leu	Ala	Ser	Leu
	50					55					60				
Ser	Leu	Met	Asp	Ala	Val	Tyr	Ser	Thr	Ala	Ile	Ser	Pro	Lys	Leu	Ile
65					70					75					80
Val	Asp	Leu	Leu	Arg	Glu	Lys	Lys	Thr	Ile	Ser	Phe	Arg	Ala	Cys	Ile
				85					90					95	
Ser	Gln	Leu	Phe	Ile	Glu	His	Leu	Phe	Gly	Gly	Val	Asp	Ile	Val	Ile
			100					105					110		
Leu	Val	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu
		115				120						125			
His	Tyr	Leu	Ile	Ile	Met	Asn	Arg	Arg	Val	Cys	Ile	Leu	Phe	Leu	Val
	130					135					140				

Met	Ala	Trp	Val	Gly	Gly	Phe	Val	His	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa
145					150					155						160
Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa
				165						170						175
Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa
			180						185					190		
Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	His	Xaa	Xaa	Xaa	Xaa	Xaa
		195					200					205				
Phe	Leu	Phe	Phe	Val	Pro	Cys	Ile	Phe	Met	Tyr	Val	Arg	Pro	Val	Ser	
	210					215					220					
Ser	Phe	Pro	Ile	Asp	Lys	Ser	Ile	Thr	Val	Ile	Tyr	Thr	Ile	Val	Thr	
225					230					235					240	
Pro	Met	Leu	Asn	Pro	Leu	Ile	Tyr	Thr	Leu	Arg	Asn	Ser	Glu	Met	Lys	
				245					250					255		
Asn	Ser	Met	Glu	Lys	Leu	Leu	Gln	Lys	Met	Leu	Ser	Pro	Asn	Arg	Ile	
			260					265					270			
Lys	Leu	Ser	Ser	Cys	Cys	Ser	Tyr	Asp								
		275					280									

<210> 2575

<211> 253

<212> PRT

<213> Mus musculus

<220>

<221> VARIANT

<222> (108)...(127)

<223> Any amino acid

<400> 2575

Met	Leu	His	Val	Asn	Ile	Thr	Asn	Thr	Ile	Phe	Ser	Thr	Phe	Leu	Val	
1				5					10					15		
Thr	Gly	Ile	Pro	Gly	Leu	Glu	Ala	Val	Tyr	Ile	Trp	Ile	Ala	Ile	Pro	
			20					25					30			
Phe	Cys	Ala	Met	Phe	Leu	Ile	Thr	Met	Val	Gly	Asn	Met	Thr	Ile	Ile	
		35					40				45					
Ile	Val	Ile	Trp	His	Glu	Gln	Thr	Leu	His	Val	Pro	Met	Tyr	Leu	Phe	
	50					55					60					
Leu	Ala	Met	Leu	Ala	Ser	Ser	Asp	Leu	Gly	Leu	Ser	Leu	Phe	Thr	Phe	
65				70					75						80	
Pro	Thr	Leu	Leu	Arg	Ile	Phe	Leu	Leu	Asn	Asp	Arg	Glu	Leu	Thr	Thr	
				85					90					95		
Thr	Ala	Cys	Phe	Thr	Gln	Met	Phe	Phe	Ile	His	Xaa	Xaa	Xaa	Xaa	Xaa	
			100					105					110			
Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Glu
		115						120					125			
Gly	His	Lys	Trp	Cys	Gln	Ile	Gln	Asp	Ser	Leu	Asp	Leu	Glu	Leu	Gly	
	130					135					140					
Met	Val	Val	Ser	Gln	Ala	Met	Val	Leu	Thr	Glu	Ala	Trp	Val	Phe	Tyr	
145				150						155					160	
Lys	Ser	Asn	Thr	Ser	Leu	Leu	Asn	His	Leu	Tyr	Asn	Arg	His	Ser	Cys	
				165					170					175		
Lys	Phe	Val	Ser	Thr	Gly	Tyr	Ile	Ser	Leu	Leu	Phe	Ser	Arg	Glu	Ile	
			180					185					190			
Leu	His	Gln	Phe	Ser	Tyr	Gln	Phe	Leu	Ile	Ile	Ile	Gln	Leu	Pro	Ile	
		195					200					205				
Tyr	Leu	Ile	Asp	Ile	Asn	Ile	Lys	Cys	Asn	Asn	Ser	Leu	Val	Phe	Ile	
	210					215					220					

Val	Leu	Ser	Cys	Val	Leu	Thr	Lys	Val	Val	Gln	Ser	His	Ala	Thr	Leu
225					230					235					240
Ile	Glu	Val	Val	Met	Glu	Glu	Gly	Lys	Asp	Leu	Pro	Asn			
				245					250						

<210> 2576
 <211> 97
 <212> PRT
 <213> Mus musculus

<400> 2576

Met	Glu	Lys	Tyr	Asn	Leu	Thr	Met	Val	Thr	Glu	Phe	Ile	Leu	Val	Gly
1				5					10					15	
Ile	Thr	Tyr	His	Pro	Glu	Phe	Gln	Val	Pro	Leu	Phe	Gly	Leu	Phe	Leu
			20				25						30		
Ile	Ile	Tyr	Leu	Thr	Ser	Leu	Phe	Gly	Asn	Leu	Gly	Met	Ile	Ile	Leu
		35					40					45			
Thr	Met	Val	Asp	Ser	Gly	Leu	Gln	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Arg
	50					55					60				
His	Leu	Ala	Thr	Thr	Asp	Leu	Gly	Tyr	Ser	Thr	Ala	Val	Gly	Pro	Lys
65					70					75					80
Met	Leu	Arg	Asn	Phe	Thr	Cys	Asn	Gln	Asn	Thr	Ile	Ser	Phe	Asn	Ala
				85					90					95	

Cys

<210> 2577
 <211> 163
 <212> PRT
 <213> Mus musculus

<400> 2577

Leu	Gln	Ser	Ser	Val	His	Val	Ala	Leu	Ala	Phe	Cys	Leu	Ser	Phe	Cys
1				5					10					15	
His	Ser	Asn	Val	Ile	Asn	His	Phe	Phe	Cys	Asp	Ile	Pro	Pro	Leu	Leu
			20					25					30		
Asp	Ile	Ser	Cys	Ser	Asp	Thr	His	Thr	Asn	Glu	Ile	Thr	Leu	Leu	Val
		35					40					45			
Leu	Ala	Thr	Leu	Asp	Val	Val	Phe	Thr	Leu	Leu	Val	Ile	Leu	Asn	Thr
	50					55					60				
Tyr	Leu	Leu	Ile	Phe	Ile	Ala	Ile	Leu	Arg	Met	Arg	Ser	Ala	Glu	Ala
65					70					75					80
Gln	Arg	Lys	Ala	Phe	Ser	Thr	Cys	Ala	Ser	His	Leu	Ile	Thr	Val	Ser
				85					90					95	
Ile	Phe	Phe	Gly	Ser	Leu	Ile	Phe	Met	Tyr	Leu	Gln	Pro	Ser	Phe	Asn
			100					105					110		
His	Ser	Met	Asp	Thr	Asp	Lys	Ile	Ala	Ser	Val	Phe	Tyr	Thr	Met	Val
		115					120					125			
Ile	Pro	Met	Leu	Asn	Pro	Val	Val	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val
	130					135					140				
Lys	Asn	Ala	Phe	Lys	Lys	Val	Val	Glu	Lys	Leu	Met	Ser	Ser	Phe	His
145					150					155					160

Leu Val Asp

<210> 2578

<211> 124
 <212> PRT
 <213> Mus musculus

<400> 2578

Ser	Leu	Leu	Cys	Phe	Thr	Lys	Ser	Phe	Leu	Gly	Ala	Leu	Val	Leu	Met
1				5					10					15	
Gln	Leu	Ala	Leu	His	Pro	Arg	Gly	Ala	Val	Leu	Gln	Phe	Gln	Lys	Thr
			20					25					30		
Leu	Leu	Thr	Thr	Val	Asp	Lys	Asn	Arg	Trp	Met	Ser	Ser	Ala	Ala	Gly
			35				40					45			
Arg	Lys	Lys	Ala	Phe	Ser	Thr	Cys	Ala	Ser	His	Leu	Thr	Ala	Val	Thr
	50					55					60				
Ile	Phe	Tyr	Gly	Thr	Leu	Ala	Tyr	Met	Tyr	Leu	His	Pro	His	Thr	Asn
65					70					75					80
Asp	Ser	Gln	Glu	Gln	Glu	Lys	Ala	Ala	Ser	Val	Phe	Tyr	Gly	Ile	Ile
				85					90					95	
Ile	Pro	Met	Leu	Asn	Pro	Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Gln	Asp	Val
			100					105					110		
Ile	Glu	Ala	Phe	Lys	Lys	Ile	Ala	Lys	Lys	Cys	Leu				
		115					120								

<210> 2579
 <211> 262
 <212> PRT
 <213> Mus musculus

<400> 2579

Arg	Leu	Pro	Leu	Val	Gly	Trp	Pro	Phe	Leu	Leu	Cys	Phe	Cys	Gln	Pro
1				5					10					15	
Met	Ser	Ile	Gly	Asp	Val	Ser	Ile	Phe	Val	Leu	Phe	Asn	Lys	Glu	Met
			20					25					30		
Asn	Ile	Pro	Met	Tyr	Phe	Leu	Ser	Ile	Leu	Pro	Thr	Leu	Asp	Met	Asp
		35					40					45			
Tyr	Val	Ser	Val	Thr	Val	Pro	Asn	Thr	Cys	Ile	Asn	Thr	Leu	Ser	Asp
		50				55					60				
His	Arg	Asn	Ile	Ser	Val	Gly	Gly	Cys	Ala	Ala	Gln	Ile	Phe	Leu	Leu
65					70					75					80
Tyr	Ile	Cys	Thr	Cys	Val	Glu	Ile	His	Phe	Phe	Thr	Thr	Met	Ala	Gln
				85					90					95	
Asp	His	Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu	Leu	Tyr	Ser	Val	Ile	Met
			100					105					110		
Asn	His	Arg	Leu	Cys	Val	Gln	Met	Thr	Leu	Ala	Ser	Leu	Leu	Ser	Ser
		115					120					125			
Leu	Val	Leu	Ala	Ile	Val	His	Thr	Phe	Lys	Ile	Phe	Gln	Leu	Ser	Phe
	130					135					140				
Cys	Tyr	Ser	Ser	Met	Val	Pro	Gln	Phe	Phe	Cys	Asp	Ile	Pro	Phe	Ala
145					150					155					160
Glu	Val	Ser	Cys	Ser	Asp	Thr	Phe	Asn	Asn	Lys	Leu	Leu	Ile	Leu	Leu
				165					170					175	
Ser	Ala	Thr	Val	Val	Ser	Gly	Ser	Tyr	Phe	Val	Phe	Leu	Val	Ile	Ser
			180					185					190		
Tyr	Ala	His	Arg	Leu	Ser	Asn	Val	Leu	Lys	Phe	Pro	Val	Lys	Arg	Glu
		195				200						205			
Ile	Gly	Lys	Ala	Phe	Ser	Thr	Phe	Val	Leu	His	Phe	Ile	Val	Val	Ser
	210					215					220				
Val	Phe	Leu	Cys	Ser	Gly	Ala	Tyr	Val	Tyr	Leu	Ser	Thr	Leu	Gly	Thr
225					230					235					240

Ile	Val	Thr	Leu	Glu	Val	Lys	Glu	Met	Ile	Leu	Ser	Val	Phe	Tyr	Thr
				245					250					255	
Ile	Ala	Thr	Pro	Phe	Phe										
				260											

<210> 2580
 <211> 194
 <212> PRT
 <213> Mus musculus

<400> 2580

Phe	Phe	Pro	Asn	Met	Trp	Val	Ala	Val	Ser	Tyr	Tyr	Trp	Gln	Cys	Pro
1				5					10					15	
Leu	Ser	Tyr	Arg	Tyr	Val	Pro	Ile	Cys	Tyr	Pro	Leu	Arg	Tyr	Met	Ser
			20					25					30		
Ile	Lys	Ser	Leu	Asn	Leu	Tyr	Val	Leu	Leu	Val	Val	Ile	Ser	Trp	Ala
		35					40					45			
Phe	Pro	Ser	Ala	Asn	Ala	Leu	Val	His	Ile	Leu	Leu	Leu	Ala	Arg	Leu
	50					55					60				
Ser	His	Phe	Arg	His	Asn	Thr	Ile	Pro	His	Ile	Phe	Lys	Arg	Ser	Ala
65					70				75					80	
Leu	Leu	Asn	Leu	Ser	Ser	Ser	Glu	Thr	Ile	Ile	Asn	Glu	Leu	Val	Ile
			85						90				95		
Leu	Pro	Leu	Gly	Thr	Val	Ile	Ile	Leu	Val	Thr	Tyr	Gly	Leu	Ile	Arg
			100					105					110		
Val	Thr	Ile	Leu	Arg	Thr	Leu	Pro	Ile	Lys	Gly	Ile	Cys	Lys	Ala	Leu
		115					120					125			
Ser	Thr	Cys	Asp	Ser	His	Leu	Ser	Val	Ser	Leu	Tyr	Tyr	Gly	Ala	Ile
	130					135					140				
Ile	Gly	Leu	Tyr	Leu	Val	Pro	Ser	Ser	Asn	Asn	Ile	Asn	Asp	Lys	Asp
145					150					155					160
Val	Asn	Val	Ser	Ala	Ile	Tyr	Asn	Val	Val	Ile	Pro	Met	Ile	Asn	Thr
				165					170					175	
Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Trp	Asp	Ile	Ile	Leu	Ser	Glu	Val	Thr
			180					185					190		

Gln Thr

<210> 2581
 <211> 188
 <212> PRT
 <213> Mus musculus

<400> 2581

Ser	Asn	Pro	Ala	Ser	Thr	Leu	Ile	Tyr	Ser	Thr	Gln	Met	Asn	His	Ile
1				5					10					15	
Ile	Gln	Arg	Ile	Leu	Val	Ala	Ser	Ser	Trp	Val	Cys	Ser	Phe	Ser	Ser
			20					25					30		
Val	Leu	Thr	His	Thr	Val	Ala	Ile	Ser	Thr	Leu	His	Phe	Cys	Gly	Leu
		35					40					45			
Asn	Val	Val	Asn	Asn	Phe	Tyr	Cys	Asp	Leu	Pro	Gln	Leu	Phe	Gln	Leu
	50					55					60				
Ser	Cys	Ser	Thr	Thr	Gln	Leu	Asn	Glu	Leu	Leu	Phe	Ala	Val	Gly	
65					70					75				80	
Phe	Leu	Met	Thr	Glu	Thr	Ser	Met	Ala	Leu	Ile	Phe	Thr	Phe	Tyr	Ile
				85					90					95	
Tyr	Gly	Ala	Val	Ala	Ile	Leu	Gln	Ile	Arg	Ser	Ala	Glu	Gly	Arg	Lys

			100					105				110			
Ala	Phe	Ser	Thr	Tyr	Ser	Ser	His	Leu	Thr	Val	Val	Ala	Ile	Phe	Tyr
		115					120					125			
Gly	Thr	Gly	Ile	Phe	Ala	Tyr	Met	Ser	Leu	Arg	Ser	Ile	Lys	Leu	Ser
	130					135					140				
Asp	Asn	Asp	Lys	Ala	Ile	Gly	Ile	Phe	Asn	Thr	Val	Ile	Asn	Pro	Met
145					150					155					160
Leu	Asn	Pro	Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Pro	Asp	Val	Gln	Ala	Ala
			165						170					175	
Leu	Trp	Lys	Val	Leu	Thr	Gly	Lys	Gln	Leu	Ser	His				
			180					185							

<210> 2582

<211> 331

<212> PRT

<213> Mus musculus

<400> 2582

Phe	Phe	Lys	Phe	Thr	Thr	Ser	Thr	Asp	Glu	Asp	Leu	Phe	Lys	Gln	Glu
1			5					10						15	
Lys	Leu	Asn	Ala	Ser	Thr	Leu	Met	Glu	Phe	Thr	Leu	Leu	Gly	Phe	Ser
			20					25					30		
Asn	Val	Pro	His	Leu	Gln	Trp	Val	Leu	Phe	Met	Val	Phe	Leu	Phe	Met
		35				40						45			
Tyr	Met	Thr	Ile	Leu	Leu	Cys	Asn	Ser	Ile	Ile	Ile	Val	Leu	Ala	Lys
	50					55					60				
Thr	Asp	Pro	Ala	Leu	Gln	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser	Asn	Phe
65				70						75					80
Ser	Phe	Leu	Glu	Ile	Cys	Tyr	Val	Thr	Ala	Thr	Ile	Pro	Arg	Met	Leu
			85						90					95	
Met	Asp	Leu	Tyr	Thr	Leu	Lys	Gly	Asn	Ile	Ser	Val	Phe	Ala	Cys	Ala
			100					105					110		
Thr	Gln	Met	Tyr	Phe	Val	Leu	Met	Leu	Gly	Ala	Thr	Glu	Cys	Leu	Leu
		115					120					125			
Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	His	Pro	Leu
	130					135					140				
Gln	Tyr	Ser	Leu	Leu	Met	Lys	Asn	Lys	Val	Cys	Leu	Gln	Leu	Val	Ala
145					150					155					160
Ala	Ser	Trp	Ile	Ser	Gly	Ile	Pro	Val	Glu	Ile	Gly	Gln	Thr	Tyr	Gln
			165						170					175	
Ile	Phe	Ser	Leu	His	Phe	Cys	Ala	Ser	Asn	Arg	Ile	Asp	His	Phe	Phe
			180					185					190		
Cys	Asp	Ile	Pro	Pro	Leu	Leu	Lys	Leu	Ala	Cys	Gly	Asp	Thr	Phe	Met
		195					200					205			
Asn	Thr	Val	Ala	Val	Tyr	Val	Val	Ala	Val	Val	Phe	Val	Met	Val	Pro
	210					215					220				
Phe	Leu	Leu	Ile	Ile	Val	Ser	Tyr	Ile	Lys	Ile	Ile	Cys	Asn	Ile	Met
225					230					235					240
Lys	Leu	Ser	Ser	Ala	Lys	Gly	Met	Ala	Lys	Ala	Phe	Ser	Thr	Cys	Ser
			245						250					255	
Ser	His	Leu	Ile	Val	Val	Ile	Leu	Phe	Tyr	Gly	Thr	Ala	Ser	Ile	Thr
			260					265					270		
Tyr	Leu	Gln	Pro	Lys	Gln	Ser	Gln	Ser	Glu	Gly	Met	Gly	Lys	Met	Leu
	275						280					285			
Ser	Leu	Phe	Tyr	Thr	Ile	Leu	Ile	Pro	Ala	Leu	Asn	Pro	Ile	Ile	Tyr
	290					295					300				
Ser	Leu	Arg	Glu	Gln	Arg	Tyr	His	Asp	Gly	Leu	Leu	Arg	Lys	Leu	His
305					310					315					320

Ser Lys Leu Leu Ile Trp Trp Glu Asn Val Lys
 325 330

<210> 2583
 <211> 297
 <212> PRT
 <213> Mus musculus

<400> 2583
 Met Gly Gln Ser Asn Asn Val Thr Glu Phe Val Leu Leu Gly Phe Thr
 1 5 10 15
 Gln Asp Pro Ala Gly Gln Lys Ala Leu Phe Val Met Phe Ser Leu Met
 20 25 30
 Tyr Ile Ala Thr Met Val Gly Asn Leu Leu Ile Val Gly Thr Val Ile
 35 40 45
 Ala Ser Pro Ser Leu Gly Ser Pro Met Tyr Phe Phe Leu Ala Ser Leu
 50 55 60
 Ser Leu Met Asp Ala Val Tyr Ser Thr Ala Ile Ser Pro Lys Leu Ile
 65 70 75 80
 Val Asp Leu Leu Arg Glu Lys Lys Thr Ile Ser Phe Arg Ala Cys Ile
 85 90 95
 Ser Gln Leu Phe Ile Glu His Leu Phe Gly Gly Val Asp Ile Val Ile
 100 105 110
 Leu Val Ala Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Lys Pro Leu
 115 120 125
 His Tyr Leu Ile Ile Met Asn Arg Arg Val Cys Ile Leu Phe Leu Val
 130 135 140
 Met Ala Trp Val Gly Gly Phe Val His Ala Leu Phe Gln Val Leu Ala
 145 150 155 160
 Val Tyr Asn Leu Pro Phe Cys Gly Pro Asn Ile Ile Asp His Phe Gly
 165 170 175
 Cys Asp Ile Tyr Pro Leu Leu Leu Leu Ala Cys Thr Asp Thr Tyr Phe
 180 185 190
 Ile Gly Leu Ser Val Ile Gly Asn Asn Gly Ala Met Cys Ile Val Ile
 195 200 205
 Phe Ile Leu Leu Leu Leu Ser Tyr Gly Ile Ile Leu Arg Ser Leu Lys
 210 215 220
 Asn His Ser Gln Glu Gly Arg Arg Lys Ala Leu Ser Thr Cys Gly Ser
 225 230 235 240
 His Ile Thr Val Val Phe Leu Phe Phe Val Pro Cys Ile Phe Met Tyr
 245 250 255
 Val Arg Pro Val Ser Ser Phe Pro Ile Asp Lys Phe Ile Thr Val Ile
 260 265 270
 Tyr Thr Ile Val Thr Pro Met Leu Asn Pro Leu Ile Tyr Thr Leu Arg
 275 280 285
 Asn Ser Glu Met Lys Asn Ser Arg Lys
 290 295

<210> 2584
 <211> 316
 <212> PRT
 <213> Mus musculus

<400> 2584
 Ser Gln Thr Ala Asp Pro Lys Asn Ser Ser Ser Thr Val Thr Glu Phe
 1 5 10 15
 Ile Leu Val Gly Phe Glu Gln Ser Ser Pro Ser Thr Arg Ala Leu Leu

			20					25					30				
Phe	Thr	Leu	Phe	Leu	Ala	Leu	Tyr	Ser	Leu	Ala	Met	Ala	Met	Asn	Gly		
		35					40					45					
Leu	Ile	Ile	Phe	Ile	Thr	Trp	Thr	Asp	Pro	Arg	Leu	Asn	Ser	Pro	Met		
	50					55					60						
Tyr	Phe	Phe	Leu	Gly	His	Leu	Ser	Phe	Leu	Asp	Val	Cys	Phe	Ile	Thr		
65					70					75					80		
Thr	Thr	Ile	Pro	Gln	Met	Leu	Val	His	Leu	Val	Thr	Lys	Asn	His	Thr		
				85					90					95			
Val	Ser	Phe	Val	Ser	Cys	Met	Thr	Gln	Met	Tyr	Leu	Val	Phe	Leu	Val		
			100					105					110				
Gly	Val	Ala	Glu	Cys	Ile	Leu	Leu	Ala	Phe	Met	Ala	Tyr	Asp	Arg	Tyr		
		115				120						125					
Val	Ala	Ile	Cys	His	Pro	Leu	Asn	Tyr	Ala	Gln	Ile	Met	Ser	Gln	Lys		
	130					135					140						
Val	Cys	Val	Arg	Leu	Val	Cys	Ser	Ser	Trp	Ile	Phe	Gly	Met	Val	Asn		
145					150					155					160		
Gly	Ile	Phe	Leu	Glu	Tyr	Ile	Ser	Phe	Arg	Asn	Pro	Phe	Cys	Lys	Asp		
				165					170					175			
Asn	His	Ile	Glu	Asn	Phe	Phe	Cys	Glu	Ala	Pro	Ile	Val	Ile	Ala	Leu		
			180					185					190				
Ser	Cys	Gly	Asp	Leu	Lys	Phe	Thr	Met	Lys	Leu	Ile	Phe	Val	Asp	Ala		
		195					200					205					
Ile	Val	Val	Leu	Leu	Ser	Pro	Met	Val	Leu	Ile	Ile	Thr	Ser	Tyr	Ala		
	210					215					220						
Arg	Ile	Leu	Ala	Ser	Ile	Leu	His	Arg	Ala	Ser	Ser	Ser	Ser	His	Arg		
225					230				235						240		
Lys	Thr	Phe	Ser	Thr	Cys	Ala	Ser	His	Leu	Thr	Val	Val	Ile	Phe	Leu		
				245					250					255			
Tyr	Thr	Ser	Ala	Met	Phe	Ser	Tyr	Met	Asn	Pro	Arg	Ser	Thr	His	Gly		
			260					265					270				
Pro	Asp	Lys	Asp	Lys	Ser	Phe	Ser	Leu	Leu	Tyr	Thr	Ile	Ile	Met	Pro		
		275					280					285					
Met	Cys	Asn	Pro	Val	Ile	Tyr	Ser	Phe	Arg	Asn	Lys	Glu	Met	Lys	Gly		
	290					295					300						
Ala	Met	Gly	Arg	Ala	Leu	Gly	Arg	Gly	Ser	Leu	Ala						
305					310					315							

<210> 2585

<211> 318

<212> PRT

<213> Mus musculus

<400> 2585

Glu	Ala	Asn	Asp	Ser	Val	Val	Lys	Glu	Phe	Ile	Phe	Ile	Gly	Leu	Ser		
1				5				10					15				
Asp	Ser	Gln	Gly	Leu	Gln	Ile	Phe	Leu	Phe	Ala	Phe	Phe	Leu	Ile	Phe		
		20					25					30					
Tyr	Val	Gly	Ile	Val	Phe	Gly	Asn	Leu	Leu	Ile	Val	Met	Thr	Val	Thr		
	35					40					45						
Tyr	Asp	Ser	His	Leu	His	Ser	Pro	Met	Tyr	Phe	Leu	Leu	Ala	Asn	Leu		
	50					55					60						
Ser	Phe	Ile	Asp	Leu	Cys	Leu	Ser	Ser	Val	Thr	Ala	Pro	Lys	Met	Ile		
65					70					75					80		
Ala	Asp	Phe	Phe	Arg	Lys	His	Lys	Val	Ile	Ser	Val	His	Gly	Cys	Phe		
				85					90				95				
Ala	Gln	Ile	Phe	Leu	Leu	His	Phe	Phe	Gly	Gly	Ser	Glu	Leu	Val	Thr		
			100					105					110				

Leu	Ile	Ala	Met	Ala	Phe	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu
		115					120					125			
Arg	Tyr	Thr	Ile	Ile	Met	Arg	Gly	Asn	Val	Cys	Ala	Gly	Ile	Val	Ala
		130				135					140				
Thr	Ala	Trp	Ala	Thr	Gly	Phe	Leu	His	Ser	Val	Ser	Gln	Leu	Ala	Phe
145					150					155					160
Ala	Val	Asn	Leu	Pro	Phe	Cys	Gly	Pro	Asn	Lys	Val	Asp	Ser	Phe	Tyr
			165						170					175	
Cys	Asp	Leu	Pro	Arg	Val	Ile	Lys	Leu	Ala	Cys	Ala	Asp	Thr	Tyr	Arg
		180						185					190		
Leu	Asp	Ile	Met	Val	Ile	Ala	Asn	Ser	Gly	Val	Leu	Thr	Val	Cys	Ser
		195					200					205			
Phe	Val	Leu	Leu	Ile	Ile	Ser	Tyr	Ser	Ile	Ile	Leu	Thr	Thr	Ile	Gln
		210				215					220				
Arg	Arg	Pro	Ser	Asp	Arg	Ser	Ser	Lys	Ala	Leu	Ser	Thr	Leu	Thr	Ala
225					230					235					240
His	Ile	Thr	Val	Val	Leu	Leu	Phe	Phe	Gly	Pro	Cys	Ile	Phe	Ile	Tyr
				245					250					255	
Ala	Trp	Pro	Phe	Pro	Ile	Lys	Ser	Leu	Asp	Lys	Phe	Leu	Ala	Val	Phe
			260					265					270		
Tyr	Ser	Val	Val	Thr	Pro	Leu	Leu	Asn	Pro	Ile	Ile	Tyr	Thr	Leu	Arg
		275					280					285			
Asn	Thr	Glu	Met	Lys	Thr	Ala	Met	Arg	Arg	Pro	Glu	Thr	Met	Glu	Phe
	290					295					300				
Lys	Leu	Leu	Gly	Glu	Leu	Ile	Asp	Leu	Leu	Trp	Pro	Arg	Asp		
305					310					315					

<210> 2586

<211> 310

<212> PRT

<213> Mus musculus

<400> 2586

Met	Gly	Ala	Thr	Asn	Asp	Ser	Thr	Phe	Ser	His	Phe	Ile	Leu	Thr	Gly
1				5				10					15		
Phe	Ser	Asp	Arg	Pro	Glu	Leu	Glu	Arg	Val	Leu	Phe	Ala	Ile	Leu	Leu
		20						25				30			
Pro	Ala	Tyr	Leu	Leu	Thr	Leu	Leu	Gly	Asn	Ser	Thr	Ile	Ile	Leu	Val
		35				40					45				
Ser	Arg	Leu	Asp	Pro	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Thr
	50					55				60					
His	Leu	Ser	Phe	Leu	Asp	Leu	Ser	Phe	Thr	Ser	Ser	Ser	Ile	Pro	Gln
65					70				75					80	
Leu	Leu	Tyr	Asn	Leu	Ser	Gly	Pro	Asp	Lys	Thr	Ile	Ser	Tyr	Val	Gly
			85					90					95		
Cys	Ala	Leu	Gln	Leu	Val	Leu	Phe	Leu	Gly	Leu	Gly	Gly	Val	Glu	Cys
		100						105					110		
Leu	Leu	Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg	Phe	Val	Ala	Ile	Cys	Lys
		115					120					125			
Pro	Leu	His	Tyr	Met	Val	Ile	Met	Ser	Pro	Arg	Leu	Cys	Val	Gly	Leu
		130				135					140				
Val	Ser	Val	Ala	Trp	Ser	Cys	Gly	Val	Ala	Asn	Ser	Leu	Ala	Met	Ser
145					150				155					160	
Pro	Ala	Thr	Leu	Ser	Leu	Pro	Arg	Cys	Gly	His	His	Arg	Val	Asp	His
			165					170					175		
Phe	Leu	Cys	Glu	Met	Pro	Ala	Leu	Ile	Arg	Met	Ala	Cys	Val	Asn	Thr
			180					185					190		
Ala	Ala	Val	Glu	Gly	Thr	Val	Phe	Val	Leu	Ala	Ile	Gly	Ile	Val	Leu

		195						200					205							
Ser	Pro	Leu	Val	Phe	Ile	Leu	Val	Ser	Tyr	Gly	Tyr	Ile	Val	Arg	Ala					
	210						215					220								
Val	Leu	Gln	Ile	Arg	Ser	Ala	Ala	Gly	Arg	Gln	Lys	Ala	Phe	Asn	Thr					
225					230					235					240					
Cys	Gly	Ser	His	Leu	Thr	Val	Val	Ser	Leu	Phe	Tyr	Gly	Asn	Ile	Ile					
			245						250					255						
Tyr	Met	Tyr	Met	Gln	Pro	Gly	Asn	Ser	Ser	Ser	Gln	Asp	Gln	Gly	Lys					
			260					265					270							
Phe	Leu	Thr	Leu	Phe	Tyr	Asn	Ile	Val	Thr	Pro	Leu	Leu	Asn	Pro	Leu					
		275					280					285								
Ile	Tyr	Thr	Leu	Arg	Asn	Lys	Glu	Val	Lys	Gly	Ala	Leu	Arg	Arg	Leu					
	290				295						300									
Leu	Leu	Gly	Ser	Arg	Glu															
305					310															

<210> 2587

<211> 316

<212> PRT

<213> Mus musculus

<400> 2587

Met	Ser	Asn	Ser	Glu	Leu	Met	Lys	Asn	Gly	Ser	Leu	Ser	Leu	Cys	Thr				
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Glu	Phe	Thr	Leu	Val	Ala	Phe	Ser	Ser	Leu	Ala	Glu	Leu	Gln	Leu	Val				
			20					25					30						
Leu	Phe	Val	Val	Phe	Leu	Val	Leu	Tyr	Leu	Phe	Thr	Val	Gly	Gly	Asn				
		35				40						45							
Leu	Thr	Ile	Ile	Cys	Val	Ile	Trp	Thr	Thr	Pro	Ser	Leu	His	Thr	Pro				
	50					55					60								
Met	Tyr	Phe	Phe	Leu	Ala	Asn	Leu	Ser	Phe	Leu	Glu	Met	Cys	Tyr	Ile				
65				70					75					80					
Ser	Ser	Val	Val	Pro	Gln	Met	Leu	Val	His	Leu	Leu	Val	Gln	Leu	Lys				
			85						90				95						
Thr	Ile	Ser	Val	Ala	Gly	Cys	Ala	Ala	Gln	Met	Tyr	Val	Phe	Thr	Ile				
			100					105					110						
Leu	Gly	Leu	Thr	Glu	Cys	Cys	Leu	Leu	Ala	Thr	Met	Ala	Tyr	Asp	Arg				
		115					120					125							
Phe	Val	Ala	Ile	Cys	Tyr	Pro	Leu	His	Tyr	Thr	Leu	Trp	Met	Asp	Pro				
	130					135					140								
Ser	Val	Cys	Leu	Lys	Leu	Ala	Gly	Ala	Ser	Trp	Met	Thr	Gly	Ile	Leu				
145				150					155					160					
Val	Glu	Ser	Ala	Gln	Thr	Thr	Trp	Ile	Phe	Thr	Leu	Pro	Phe	Cys	Gly				
			165					170					175						
Ala	Gly	Thr	Ile	Gln	His	Phe	Phe	Cys	Asp	Ile	Met	Pro	Val	Val	Lys				
			180					185					190						
Leu	Ala	Cys	Val	Asp	Thr	Ser	Gln	Asn	Glu	Met	Val	Ile	Phe	Ile	Ile				
		195					200					205							
Ser	Leu	Ile	Phe	Ile	Met	Ser	Pro	Cys	Leu	Phe	Ile	Leu	Cys	Ser	Tyr				
	210					215					220								
Val	Arg	Ile	Ile	Leu	Thr	Ile	Leu	Lys	Met	Pro	Ser	Ala	Ala	Gly	Arg				
225				230					235					240					
His	Lys	Ala	Phe	Ser	Thr	Cys	Ser	Ser	His	Ile	Leu	Val	Val	Ser	Leu				
			245						250					255					
Phe	Tyr	Gly	Thr	Ala	Leu	Phe	Thr	Tyr	Leu	Gln	Pro	Lys	Ser	Ser	His				
		260						265					270						
Thr	Pro	Asp	Thr	Asp	Lys	Val	Thr	Ala	Leu	Met	Tyr	Thr	Val	Val	Thr				
		275					280					285							

Pro	Ala	Leu	Asn	Pro	Val	Ile	Tyr	Thr	Leu	Arg	Asn	Lys	Glu	Val	Lys
	290					295					300				
Glu	Ala	Phe	Gln	Lys	Val	Thr	Gln	Lys	Glu	Thr	Ser				
305					310					315					

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 <212> PRT
 <213> Mus musculus

<400> 2588															
Met	Gly	Gly	Lys	Asn	Gln	Thr	Asp	Val	Ser	His	Phe	Phe	Leu	Leu	Gly
1				5					10					15	
Leu	Thr	Asp	Asp	Pro	Thr	Val	Lys	Pro	Val	Ile	Phe	Cys	Ile	Phe	Leu
			20					25					30		
Leu	Met	Tyr	Met	Val	Thr	Ile	Leu	Gly	Asn	Leu	Leu	Ile	Ile	Leu	Ala
		35					40					45			
Val	Cys	Ser	Tyr	Ser	His	Leu	Gln	Thr	Pro	Met	Tyr	Phe	Phe	Ile	Ser
	50					55					60				
Asn	Leu	Ser	Ile	Asn	Asp	Ile	Cys	Leu	Ser	Thr	Thr	Val	Ile	Pro	Asn
65					70					75					80
Met	Leu	Arg	Thr	Thr	Gln	Thr	Gln	Asp	Gln	Ser	Ile	Ser	Tyr	Ala	Gly
				85					90					95	
Cys	Leu	Thr	Gln	Leu	Cys	Phe	Val	Leu	Leu	Phe	Ala	Gly	Phe	Glu	Ser
			100					105					110		
Cys	Leu	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Tyr
		115					120					125			
Pro	Leu	Ser	Tyr	Thr	Val	Met	Met	Asn	Phe	His	Ser	Cys	Ala	Leu	Leu
	130					135					140				
Ile	Leu	Phe	Ser	Val	Leu	Ile	Ser	Val	Leu	Asn	Met	Gly	Leu	Leu	Gly
145					150					155					160
Leu	Met	Val	Leu	Arg	Leu	Ser	Phe	Cys	Thr	Asn	Leu	Glu	Ile	Pro	Leu
				165					170					175	
Phe	Phe	Cys	Glu	Leu	Ser	Gln	Val	Met	Lys	Leu	Ala	Cys	Ser	Asp	Thr
			180					185					190		
Leu	Ile	Asn	Asp	Ile	Leu	Ile	Tyr	Leu	Ala	Thr	Phe	Ile	Phe	Gly	Gly
		195					200					205			
Ile	Pro	Ile	Ser	Gly	Ile	Ile	Phe	Ser	Tyr	Val	Gln	Ile	Ala	Ser	Ser
	210					215					220				
Val	Leu	Arg	Ile	Ser	Ser	Val	Lys	Gly	Arg	Cys	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Gly	Ser	His	Leu	Ser	Val	Thr	Ser	Leu	Ser	Tyr	Gly	Ser	Gly	Leu
				245					250					255	
Trp	Val	Tyr	Ile	Thr	Ser	Ser	Val	Ala	Ile	Leu	Pro	Lys	Lys	Thr	Ser
			260					265					270		
Val	Ala	Cys	Ile	Met	Tyr	Thr	Val	Val	Pro	Gln	Met	Leu	Asn	Pro	Phe
		275					280					285			
Ile	Phe	Ser	Leu	Arg	Asn	Lys	Asp	Met	Lys	Gly	Thr	Met	Lys	Lys	Phe
	290					295					300				
Ile	Ser	Lys	Val	Ala	Ser	Leu									
305					310										

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 <213> Mus musculus

<400> 2589

Met	Ser	Ser	Phe	Asn	Thr	Thr	Leu	Lys	Gly	Gly	Phe	Ile	Leu	Met	Gly
1				5					10					15	
Phe	Ser	Asp	Trp	Pro	Gln	Leu	Glu	His	Ile	Phe	Phe	Val	Phe	Ile	Ser
		20						25					30		
Met	Phe	Tyr	Ile	Leu	Thr	Ile	Phe	Gly	Asn	Phe	Thr	Ile	Ile	Thr	Ile
		35					40					45			
Ser	Arg	Met	Asp	Gln	Arg	Leu	Gln	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Asn
	50					55					60				
Asn	Leu	Ser	Phe	Leu	Asp	Leu	Cys	Tyr	Asn	Thr	Ser	Ile	Val	Pro	Gln
65					70					75				80	
Leu	Leu	Val	Asn	Ile	Ser	Gly	Ile	Asp	Lys	Thr	Met	Ser	Tyr	Ala	Gly
			85						90					95	
Cys	Met	Thr	Gln	Phe	Phe	Ile	Val	Leu	Leu	Gly	Gly	Thr	Glu	Cys	
			100					105					110		
Met	Leu	Leu	Val	Val	Met	Ala	Phe	Asp	Arg	Tyr	Val	Ala	Val	Cys	His
		115				120						125			
Pro	Leu	His	Tyr	Thr	Ser	Ile	Met	His	Pro	Leu	Leu	Cys	His	Ala	Leu
	130					135					140				
Ala	Ile	Ser	Ser	Trp	Val	Gly	Gly	Leu	Val	Asn	Ser	Leu	Thr	Gln	Thr
145					150					155					160
Ser	Leu	Ile	Met	Thr	Ile	Pro	Leu	Cys	Gly	His	His	Leu	Asn	His	Phe
				165					170					175	
Phe	Cys	Glu	Met	Leu	Val	Leu	Leu	Lys	Leu	Ala	Cys	Glu	Asp	Thr	Val
			180					185					190		
Gly	Thr	Glu	Ala	Asn	Leu	Phe	Val	Ala	Gly	Ala	Ile	Ile	Leu	Val	Cys
		195				200						205			
Pro	Val	Ala	Leu	Ile	Leu	Gly	Thr	Tyr	Ala	His	Ile	Ala	His	Ala	Val
	210					215					220				
Leu	Lys	Ile	Lys	Ser	Arg	Ser	Gly	Arg	Arg	Lys	Ala	Leu	Gly	Thr	Cys
225					230					235					240
Gly	Ser	His	Leu	Thr	Gly	Val	Phe	Leu	Phe	Tyr	Gly	Ser	Ala	Met	Tyr
			245						250					255	
Met	Tyr	Leu	Gln	Pro	Val	His	Val	Tyr	Ser	Gly	Ser	Glu	Gly	Lys	Phe
			260					265					270		
Ala	Ala	Leu	Phe	Tyr	Thr	Ile	Ile	Thr	Pro	Met	Met	Asn	Pro	Ile	Tyr
		275					280					285			
Thr	Leu	Lys	Asn	Lys	Asn	Val	Lys	Gly	Ala	Leu	Cys	Lys	Val	Leu	Gly
	290					295					300				
Arg	Asp	Thr	Ser	Thr	Thr										
305					310										

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<211> 316

<212> PRT

<213> Mus musculus

<400> 2590

Met	Ala	Val	Met	Leu	Gly	Leu	Asn	Tyr	Thr	Phe	Val	Ser	Glu	Phe	Ile
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Leu	Ile	Gly	Phe	Ser	Thr	Phe	Pro	His	Leu	Gln	Leu	Met	Phe	Phe	Leu
		20						25					30		
Leu	Phe	Leu	Leu	Met	Tyr	Leu	Phe	Thr	Leu	Leu	Gly	Asn	Leu	Leu	Ile
		35					40					45			
Met	Thr	Thr	Ile	Trp	Ser	Glu	His	Ser	Leu	His	Thr	Pro	Met	Tyr	Leu
	50					55					60				
Phe	Leu	Cys	Ala	Leu	Ser	Ile	Ser	Glu	Ile	Phe	Tyr	Thr	Phe	Ala	Ile
65					70					75					80

Ile	Pro	Arg	Met	Leu	Ala	Asp	Leu	Leu	Thr	Thr	Leu	His	Ser	Ile	Ala
				85					90					95	
Phe	Leu	Ala	Cys	Ala	Ser	Gln	Met	Phe	Phe	Ser	Phe	Thr	Phe	Gly	Phe
			100					105						110	
Thr	His	Ser	Phe	Leu	Leu	Thr	Val	Met	Gly	Tyr	Asp	Arg	Tyr	Val	Ala
		115						120					125		
Ile	Cys	His	Pro	Leu	Arg	Tyr	Asn	Val	Leu	Met	Ser	Pro	Arg	Gly	Cys
	130					135					140				
Ala	Cys	Leu	Val	Ala	Trp	Ser	Trp	Val	Gly	Gly	Ser	Phe	Met	Gly	Thr
145					150					155					160
Val	Val	Thr	Thr	Ala	Ile	Phe	Asn	Leu	Thr	Phe	Cys	Gly	Pro	Asn	Glu
				165					170					175	
Ile	His	His	Phe	Thr	Cys	His	Val	Pro	Pro	Leu	Leu	Lys	Leu	Ala	Cys
			180					185						190	
Gly	Glu	Asn	Val	Leu	Glu	Val	Ala	Lys	Gly	Val	Glu	Ile	Val	Cys	Ile
		195					200					205			
Thr	Ala	Leu	Leu	Gly	Cys	Phe	Leu	Leu	Ile	Leu	Leu	Ser	Tyr	Ala	Phe
	210					215						220			
Ile	Val	Val	Thr	Ile	Leu	Lys	Ile	Pro	Ser	Ala	Glu	Gly	Arg	His	Lys
225					230					235					240
Ala	Phe	Ser	Thr	Cys	Ala	Ser	His	Leu	Thr	Val	Val	Val	Val	His	Tyr
				245						250				255	
Gly	Phe	Ala	Ser	Val	Ile	Tyr	Leu	Lys	Pro	Lys	Gly	Pro	Lys	Ser	Leu
			260					265					270		
Glu	Gly	Asp	Thr	Leu	Met	Gly	Ile	Thr	Tyr	Thr	Val	Leu	Thr	Pro	Phe
		275					280					285			
Leu	Ser	Pro	Ile	Ile	Phe	Ser	Leu	Arg	Asn	Lys	Glu	Leu	Lys	Asn	Ala
	290					295					300				
Met	Glu	Glu	Ser	Phe	Pro	Gln	Gln	Ile	Ile	Ser	Thr				
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Met	Leu	His	Val	Asn	Ile	Thr	Asn	Thr	Ile	Phe	Ser	Thr	Phe	Leu	Val
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Thr	Gly	Ile	Pro	Gly	Leu	Glu	Ala	Val	Tyr	Ile	Trp	Ile	Ala	Ile	Pro
			20					25					30		
Phe	Cys	Ala	Met	Phe	Leu	Ile	Thr	Met	Val	Gly	Asn	Met	Thr	Ile	Ile
		35					40					45			
Ile	Val	Ile	Trp	His	Glu	Gln	Thr	Leu	His	Val	Pro	Met	Tyr	Leu	Phe
	50					55					60				
Leu	Ala	Met	Leu	Ala	Ser	Ser	Asp	Leu	Gly	Leu	Ser	Leu	Phe	Thr	Phe
65					70					75					80
Pro	Thr	Leu	Leu	Arg	Ile	Phe	Leu	Leu	Asn	Asp	Arg	Glu	Leu	Thr	Thr
				85					90					95	
Thr	Ala	Cys	Phe	Thr	Gln	Met	Phe	Phe	Ile	His	Thr	Phe	Gln	Asp	Leu
			100					105					110		
Glu	Ser	Ala	Ile	Ile	Leu	Ala	Met	Ala	Phe	Asp	Arg	Tyr	Val	Ala	Ile
		115					120					125			
Ser	His	Pro	Leu	His	Tyr	His	Ser	Ile	Leu	Thr	Asp	Thr	Val	Ile	Ala
	130					135					140				
Lys	Ile	Gly	Leu	Ala	Ile	Val	Val	Arg	Thr	Leu	Thr	Val	Gln	Val	Pro
145					150						155				160
Leu	Pro	Ile	Leu	Leu	Lys	Arg	Leu	Tyr	Phe	Cys	His	Ser	Asn	Val	Leu

				165					170					175			
Ser	His	Ser	Tyr	Cys	Leu	His	Pro	Asp	Ile	Ile	Lys	Leu	Ser	Cys	Ser		
			180					185					190				
Ser	Thr	Thr	Val	Asn	Ser	Ile	Phe	Gly	Leu	Phe	Val	Val	Leu	Ser	Thr		
		195					200					205					
Met	Gly	Leu	Asp	Phe	Leu	Leu	Ile	Leu	Leu	Ser	Tyr	Ala	Leu	Ile	Leu		
	210					215					220						
Lys	Thr	Val	Leu	Asn	Met	Ala	Ser	His	Ser	Gly	Arg	Leu	Lys	Ala	Leu		
225					230					235						240	
Asn	Thr	Cys	Ile	Ser	His	Leu	Cys	Ala	Val	Val	Leu	Phe	Phe	Thr	Pro		
				245					250					255			
Met	Ile	Cys	Leu	Ser	Met	Leu	His	Arg	Phe	Gly	Pro	Arg	Leu	Pro	Ser		
			260					265					270				
His	Val	Tyr	Val	Thr	Leu	Ala	Asn	Met	His	Phe	Leu	Ile	Pro	Pro	Val		
		275					280					285					
Met	Asn	Pro	Ile	Val	Tyr	Val	Val	Lys	Thr	Lys	Gln	Ile	Arg	Asp	Lys		
	290					295					300						
Ile	Gln	Lys	Leu	Phe	Ile	Arg	Lys	Ala	Thr	Lys	Lys	Ala	Gln	Ala	Ala		
305					310					315					320		
Ser	Ile	Thr															

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Met	Glu	Lys	Thr	Asn	His	Ser	Leu	Thr	Thr	Gln	Phe	Ile	Leu	Val	Gly		
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Phe	Ser	Asp	His	Pro	Asp	Leu	Lys	Thr	Pro	Leu	Phe	Leu	Leu	Phe	Ser		
			20					25					30				
Val	Ile	Tyr	Leu	Val	Thr	Met	Val	Gly	Asn	Leu	Gly	Leu	Val	Ala	Val		
		35					40					45					
Ile	Tyr	Leu	Glu	Pro	Arg	Leu	His	Thr	Pro	Met	Tyr	Ile	Phe	Leu	Gly		
	50					55					60						
Asn	Leu	Ala	Leu	Met	Asp	Ser	Cys	Cys	Ser	Cys	Ala	Ile	Thr	Pro	Lys		
65					70					75					80		
Ile	Leu	Glu	Asn	Phe	Ser	Val	Asp	Arg	Arg	Ile	Ser	Leu	Tyr	Glu			
			85					90					95				
Cys	Met	Ala	Gln	Phe	Tyr	Phe	Leu	Cys	Leu	Ala	Glu	Thr	Ala	Asp	Cys		
			100					105					110				
Phe	Leu	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asn		
		115					120					125					
Pro	Leu	Gln	Tyr	His	Ser	Met	Met	Ser	Lys	Lys	Leu	Ser	Ile	Gln	Met		
	130					135						140					
Ser	Ile	Gly	Thr	Phe	Ile	Thr	Ser	Asn	Leu	His	Ser	Leu	Ile	His	Val		
145					150					155					160		
Gly	Cys	Leu	Leu	Arg	Leu	Thr	Phe	Cys	Lys	Ser	Asn	Arg	Ile	Asp	His		
				165				170						175			
Phe	Phe	Cys	Asp	Ile	Leu	Pro	Leu	Tyr	Arg	Leu	Ser	Cys	Thr	Asp	Pro		
			180					185					190				
Phe	Ile	Asn	Glu	Leu	Met	Ile	Tyr	Ile	Phe	Ser	Met	Pro	Ile	Gln	Val		
		195					200					205					
Phe	Thr	Ile	Thr	Thr	Val	Leu	Val	Ser	Tyr	Phe	Cys	Ile	Leu	Leu	Thr		
	210					215					220						
Ile	Phe	Lys	Met	Lys	Ser	Lys	Asp	Gly	Arg	Gly	Lys	Ala	Phe	Ser	Thr		
225					230					235					240		

Cys	Ala	Ser	His	Phe	Phe	Ser	Val	Ser	Ile	Phe	Tyr	Ala	Cys	Leu	Leu
				245					250					255	
Met	Tyr	Ile	Arg	Pro	Phe	Asp	Asp	Ser	Asn	Lys	Asp	Ile	Pro	Val	Ala
			260					265					270		
Ile	Phe	Tyr	Thr	Ile	Ile	Ile	Pro	Leu	Leu	Asn	Pro	Phe	Ile	Tyr	Ser
		275					280					285			
Leu	Arg	Asn	Thr	Glu	Val	Val	Asn	Ala	Leu	Arg	Lys				
	290					295					300				

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 Phe Ser Thr Cys Ser Ser His
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<400> 2595
 Met Ala Tyr Asp Arg Tyr
 1 5

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 Met Ala Phe Asp Arg Tyr
 1 5